Technology Partner
Saarland
ZPT
Zentrale für Produktivität und Technologie Saar e.V. (Centre for Productivity and Technology) lends its support to businesses in Saarland by providing a comprehensive range of services designed to increase their competitiveness, innovative strength and to open up new markets.

In particular, the Centre is supported and funded by the Ministry of Economics, Labor, Energy and Transport, by the State Chancellery and Saarland Chamber of Commerce and Industry.

An Enterprise Europe Network as well as a Patent Information Centre are incorporated within ZPT. The objective of the full range of services offered to businesses in Saarland by ZPT in the areas of consulting, qualification, technology transfer and the promotion of innovations is to assist, above all, small- and medium-sized enterprises in strengthening their competitive position and in the development of new products and processes.
Saarland –
Business location with quality of life
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Franz-Josef-Röder-Straße 9
66119 Saarbrücken
Phone: +49 (0)681 9520470
Fax: +49 (0)681 5846125
Mail: info@zpt.de
www.zpt.de

Idea and conceptional design
Volker Giersch

Edited by
Gerd Martin

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68623 Lampertheim
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Mail: info@alphapublic.de

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Saarland has finally reached the "Post-Coal Age". Black coal was produced for the very last time in this region in the middle of 2012. This date marks the end of an era and the provisional completion of the structural change that has been going on for decades – away from mining, and towards technology-oriented sectors of industrial processing.

The result is something to be proud of: The former mining area situated on the fringe of Germany has been transformed into a modern location in the heart of Europe with the emphasis on industry and the provision of services.

The innovative manufacturers from the sectors automotive, automation technology, steel, medical engineering as well as mechanical and plant engineering are the focal point of the location. They have seized the opportunity offered by globalisation to make a name for themselves all over the world with premium products "made in Saarland". They have been supported in their efforts and achievements by resourceful IT and engineering service providers as well as highly productive small-and medium-sized companies operating in the field of logistics, design and marketing.

The universities and business-oriented research institutes in Saarland also provide a positive impetus for the technology location Saar. The list of the institutes represented in Saarland looks like a "Who's Who" of the German history of science: Max Planck, Leibniz, Fraunhofer, Helmholtz. Together with the German Research Centre for Artificial Intelligence (deutsches Forschungszentrum für künstliche Intelligenz), they are breeding grounds for start-ups and are a significant driving force when it comes to innovation and technology transfer.

Why not see for yourself? It is certainly worth taking a closer look at the business location Saarland. This catalogue "Innovative Saarland" shows you what this region has to offer. In this spirit, then, I hope you enjoy the many "aha moments" you will experience when reading this brochure.

With best regards

Dr. Richard Weber  
President of IHK Saarland
Over the past few decades, people in Saarland have resolutely spurred on structural change with a great deal of innovative spirit and outstanding achievements. For generations, the focus of the economy lay on the mining industry; today, the region is characterised by new industries and innovative companies in the fields of information technology, telecommunications, nanotechnology, mobility, logistics or medical technology.

These new focal areas came about as part of a regional strategy of innovation of the Land government involving a sustained and growth-oriented innovation policy, which is designed to assist in overcoming bottlenecks in the development of the location and further developing core business fields. In doing so, Saarland has been able to make successful progress in the structural change of its economy. Since the sharp decline in employment numbers and the discontinuation of the once strong coal industry as well as the now strong position of the steel industry, many new jobs in up-and-coming future sectors have been created in Saarland.

Last year witnessed the end of mining in Saarland. It is, without doubt, an event which will leave its mark on the region since Saarland was, to a certain extent, born from coal, and the culture and tradition of our state and the roots of our identity are closely linked to mining. The Land government is anxious to ensure that mining memories and the recognition of those who worked there as well as the stresses and strains which it caused become culturally embedded in the everyday lives of the people living our region.

The structural change which has taken place in Saarland over the past decade represents the cross-over into a new era, which is characterised by new core areas of research and technology in our state. Today, this bridge provides the link between the past, memories and the future.

As an economically strong region in the heart of Europe, Saarland can also act as a bridge between Germany and France in terms of culture and the economy. Like no other federal state of Germany, Saarland symbolises a deep and functioning Franco-German friendship, an amicable relationship that is put into practice each and every day. A profound knowledge of France is one of our distinguishing features, of which we intend to make even more intensive use in the future, particularly at a time marking the 50th anniversary of the signing of the Elysée Treaty ("Treaty of Friendship") between Germany and France.

Consequently, the research environment in Saarland is multifaceted and international in character. Owing to its border position, our region does not only engage in intensive exchanges in the field of research and teaching with France, but also with Luxembourg. Together with partner universities in France, Luxembourg, Belgium and Rhineland Palatinate, the "University of the Greater Region" provides a unique and common higher education area with opportunities for study and cooperation in research projects. The Franco-German Institute of Higher Education of the University of Applied Sciences of Saarland (Deutsch-Französische Hochschulinstitut [DFHI] der Hochschule für Technik und Wirtschaft) deserves a special mention here. It is the oldest institution in both countries offering bi-national courses of study. Moreover, the Franco-German University (Deutsch-Französische Hochschule (DFH)), an association of 180 partner universities from Germany and France, is also based in Saarbrücken.
The challenge for the near future is to continue the development of Saarland and the region in such a way that they are able to master and shape the economic, cultural and social changes of the 21st century under their own steam. Saarland is and will remain an industrial state on this path of development. To achieve this objective, the focus of the Land government lies on the promotion of start-ups, technological innovations and new business models as well as on small- and medium-sized enterprises, the backbone of our multifaceted economy in Saarland. The long-term policy of innovation and technology pursued by Saarland is designed to promote the region in targeted fashion as a business and science location. This policy assists in the transfer of knowledge into industry and supports the further development of existing strengths. Innovation potentials already available from new and traditional sectors should be further developed.

Numerous projects within the framework of this technology policy come into play at the interface between research and business. They include the promotion of spin-offs and joint research activities, by research institutes as well as companies. The transfer of knowledge from institutes of higher education and research institutes into companies and the corresponding implementation thereof into industrial applications are key instruments in the shaping of structural change. Today more than ever before, the transfer, development and marketing of technology form the basis for long-term and sustained economic growth.

In addition to Saarland University and the University of Applied Sciences of Saarland (HTW), the institutes outside the university, in particular, play a special role in the pursuit and achievement of economic growth. These research institutes were developed from core areas of the universities and are closely linked to them. This strategy ensures the strengthening of research and teaching at the universities and provides the institutes with access to young academics. The development of the research environment has led to the establishment of various models, each of which is specialised in a task ranging from basic research through to industrial application. The large number of awards conferred upon our universities attesting to their outstanding research activities and making their research institutes sought-after partners in national and international project consortia bears testimony to the efficiency and performance of the research location in Saarland.

The objective is to further develop the strengths of Saarland, thereby gearing science and research to an even greater extent towards the requirements of the local economy. Modern industrial enterprises and efficient SMEs are the two cornerstones of our economy in Saarland. Potential for innovation and technological expertise can be found in small and medium-sized companies, which are among the technological leaders in their market niches, just as much as in major enterprises which have made a name for themselves on the global market with their top-class products. Subsidiaries and branch establishments also play an important role in the business location Saarland as they have developed in dynamic fashion over the past few years with successful products and competitive processes.

Saarland should continue to be a leading industrial location in Germany in the future. The prospects offered by industry in this region are excellent. The steel and automotive industry, healthcare management, the energy sector, information technology and materials sciences - they all serve the markets of the future. They all promise growth for Saarland and good jobs for the people who live
there. The aim, therefore, is to secure overall employment and growth in employment in these key sectors with outstanding technological products.

There is still a divide between the quality offered by Saarland in terms of culture, business and science and the image which other federal states have of our region. The many positive changes that have taken place here over the past few years have gone virtually unnoticed beyond the state borders. It is our task to change this image in reality and in people’s heads. This will require the involvement of innovative and competitive companies, attractive educational and research institutes, good peripheral conditions and image-promoting marketing.

The catalogue “Innovative Saarland” plays an important role in the achievement of this task by taking up the technological expertise and strengths available in our region in the fields of research and development and providing excellent insight for the interested reader - particularly those outside of the region - into the innovative location Saarland.

With best regards,

Annegret Kramp-Karrenbauer
Ministerpräsidentin des Saarlandes
Saarland Premier

View of the foil coating system at INM – Leibniz-Institut für Neue Materialien. The system is used to produce large-format, structured foil coatings.

© Uwe Bellhäuser

Electrospinning of ultrathin fibres with a thickness of 100-200nm. These are used at INM – Leibniz-Institut für Neue Materialien in the development of new energy storage systems.

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Heiko Maas
Minister for Economics, Employment, Energy, Transport
President of ZPT Saar

Saarland – a location with character

Active economic and employment policy is at the heart of our regional political strategy. The better small- and medium-sized businesses can demonstrate their strengths, the easier it will be for Saarland to master the challenges arising from the situation of the public budgets and from globalisation. The catalogue “Innovative Saarland” clearly illustrates the degree of dynamism created by our small- and medium-sized companies. Masterminds and experienced practitioners work with dedication to secure the future of their region.

I am convinced that Saarland will go its own way as a self-confident federal state. It has become an efficient business location, giving it a decisive advantage in the face of competition. Its strengths include the fact that the people here are willing to roll up their sleeves and get stuck in and that industry traditionally occupies a strong position. Furthermore, research findings find swift practical application in companies. This is, at any rate, the feedback we often receive from external investors who wish to accomplish something in our region and create jobs. They like to talk about a business-friendly atmosphere and “short communication channels”, and this is not a bad recommendation for a location.

No capacities are wasted

The benefit of clearly laid-out structures is illustrated again and again. The Ministry, corporations controlled by the federal state and regional promoters of trade and industry are closely linked. This makes things consider-ably easier for investors. Moreover, Saarland has moved into a core position with the development of the European Single Market. This adds to the value of the location for companies and corporate groups wishing to operate across Europe. The special position of the federal state as a contact zone to France also brings about strategic advantages.

When it comes to the quality of a location, the new key question is: Are the requirements in terms of skilled labour reliably covered? We will pull out all the stops to ensure this. We do not waste any capacities, neither those of well-educated women nor of migrants or senior citizens. One important issue in securing the availability of skilled labour is vocational further training. The dual education system is, however, also a factor for success. We actively promote this alternative to embarking upon a traditional degree course, even among youths who have performed well academically. On the other hand, prospects are opened up for young people in need of support and guidance. The regional programme “Job training now” provides assistance to young people and companies in this field. It is not only the availability of skilled labour which is of importance but also the business-friendly infrastructure. Therefore, we continually work on its quality. I am extremely pleased that the towns and municipalities of Saarland have recognised that business policy starts right on their doorsteps. We thus have excellent conditions when it comes to developed industrial and commercial sites. Furthermore, we are improving our business promotion programmes and creating a higher degree of transparency. Budgetary and EU funds should reach the exact places where they are needed. This will lead to the greatest achievements for the federal state, for the strength of the economy and for purchasing power.

Numerous cooperation projects with scientific institutes

Companies in Saarland demonstrated their robust nature in the face of the economic crisis, with many carrying out investments. This provides a good foundation for further developments. We ensure that the business environment is in order. This includes a reliable and affordable power supply as well as an attractive range of sites for commercial and industrial operations. The Land government relies on innovative small- and medium-sized companies. Over the past few years, we have seen a considerable change in the face of Saarland, and this would not have been
Innovative companies play a significant role in growth and employment. Many people in Saarland earn their living in the automotive sector, in steel and metalworking as well as in ceramics. The service sector and research-intensive sectors are continuing to gain in importance in terms of structure. Today, more than 64 per cent of employees subject to social insurance contributions work in these sectors. Among these industry-oriented service sectors marked by strong growth are wholesale trade and logistics, financial services or consultancy and engineering services.

A new point of contact for creative people

Small- and medium-sized companies receive multifaceted support in Saarland. A service agency at the Ministry of Economics looks after individual concerns from Saarland-based businesses and locates contacts at chambers, authorities and associations. In addition to the traditional instruments, there are also new approaches. For instance, creative people. A point of contact was set up for them specifically. The “Kreativzentrum Saar” at Saarbrücker Eurobahnhof (railway station) is ready to provide advice and take action in order to assist in setting up new companies or to offer support and guidance to young freelancers in the development stage.

Saarland has the charm of a border region. The French influences lend it a special character. For some, this is an important factor as they enjoy sipping an aperitif in France after work, for example. Saarland boasts a lively cultural scene, and nature enthusiasts are certainly well catered for here with its untouched countryside. The state has one of the highest proportions of woodland in Germany and wonderful meadow orchards, for instance in the Bliesgau biosphere.

Heavily characterised by the factor labour

Our federal state is a location upon which the factor labour has left a lasting mark. The “innovative Saarland” also benefits from this. Labour is a raw material, not merely for
economic success. Industrial labour, which involved physically demanding work and risks, has also brought about a mentality in which cooperation and togetherness – regardless of a person’s origin – play a significant role alongside the down-to-earth nature of the people living here. In this way, it was possible for what is regarded as a European way of thinking to emerge. People can work and live well in our state. It is our aim to further increase its attractiveness by means of fair wages, by improving the work-life balance as well as investments in the education system. We create incentives so that as many people as possible who have enjoyed good vocational training or a university education in Saarland will also employ their talents here. In addition, Saarland should retain its appeal as a place to work and build a home so as to attract young skilled personnel and executives from outside the region.

With best regards,

Heiko Maas
Minister for Economics, Employment, Energy and Transport
President of ZPT Saar
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There are only a few regions in Europe whose economic structures have undergone such fundamental changes in the past decades as is the case in Saarland. And there is hardly any region in which this change has taken place with as much success as it has here: The loss of some 80,000 jobs in mining and in the iron and steel industry since 1960 has largely been offset by new jobs in the processing industry, in the technology sector and in the service sector. The basis for this was provided by a multitude of investments in the quality of the location, an attractive university and research environment, and a relatively high availability of qualified and skilled labour with experience in industry.

The federal state has developed virtually unnoticed into one of the strongest regions of Germany in terms of growth and exports. A good five decades after its economic integration into the Federal Republic of Germany, Saarland presents itself as a modern industrial and service-oriented location with a multifaceted business structure. When it comes to the most important economic indicators, Saarland ranks in the upper middle field of the federal states: For instance, GDP per inhabitant, in the number of industrial employees per 1,000 inhabitants, export share, and, last but not least, also in vocational training.

Industry is a driving force for economic growth. On the one hand, it is characterised by successful manufacturing plants of major national or international corporate groups, many of which have succeeded in becoming "leading plants" in their group – also as a result of the positive business environment. On the other hand, medium-sized and large companies based in Saarland have also left their mark on the structure of the region: These include not only the listed ceramics manufacturer Villeroy & Boch, the two steel companies Saarstahl and Dillinger Hütte or the HYDAC Group, but also many successful family businesses portrayed in this catalogue. A large number of these companies have successfully conquered the global markets from their base in Saarland and meanwhile belong to the group of "hidden champions".

State-of-the-art automotive technologies...

The face of Saar industry has been radically altered in the course of the structural change. High-tech is trumps – this applies today more than ever before. And this largely explains the growing turnover achieved in overseas sales...
markets by industry in Saarland. Its export share has meanwhile risen to over 50 per cent. In particular, it has also been possible to achieve high increases in exports to the growth markets of Asia.

Today, vehicle construction and the automotive supply industry, in particular, have a formative influence on the structure of the region. Owing to the favourable product mix, this sector has remained the most important engine for creating jobs in Saarland until today. In addition to the Ford plants, which were set up in Saarlouis at the end of the 1960s, the automotive industry in Saarland comprises reputable suppliers such as Bosch, ZF Friedrichshafen AG, Nemak Dillingen, Eberspächer, Decoma or Johnson Controls. They produce top-class quality components for all kinds of vehicles in manufacturing plants using state-of-the-art equipment: Diesel injection pumps, aluminium engine blocks, exhaust silencers, emission control systems, door frame profiles, bumpers and automatic transmissions. Production plants of major tyre manufacturers (e.g. Michelin) and medium-sized automotive suppliers are also established here. Overall, almost one in two industrial jobs in Saarland is currently dependent upon the automotive sector, either directly or indirectly. As a result, the state is, therefore, justifiably referred to as "Autoland Saar".

... and in other industries
Mechanical engineering is the second largest employer in Saarland, providing jobs for 17,000 people, whereby the profile of the sector has significantly changed over the past few decades: Companies which once supplied products to the mining industry today operate on the international market, offering innovative production and automation technology. The steel industry in Saarland has undergone a genuine revival. Since the turn of the Millennium, it has regained its position as one of the strongest growing sectors in the state due to the focus on high-quality steel and innovative process engineering. Other significant industrial sectors include the foundry industry, steel construction and plant engineering, steel forming, electrical engineering, energy and environmental technology as well as medical engineering. Additional focal points of Saar industry are the food and consumer goods industries with Europe’s largest ceramics manufacturer Villeroy & Boch.

Service providers on the up and up
The service sector in Saarland is also on an expansion course – predominantly in the area of business-related services. The IT and consultancy sectors, which provide around 6,000 jobs, have experienced dynamic growth. Considerable growth rates have also been achieved by providers of environmental and medical engineering services as well as the insurance sector, which has gained a boost, in particular, from the market success of the direct insurer Cosmos Direkt and Union Krankenversicherung AG.

The Saarland universities with some 20,000 students between them and the research institutes located in close proximity to them are a trump card of the region: For instance, the Max-Planck-Institute für Informatik und für Softwaresysteme, (informatics and software systems), Fraunhofer Institute für zerstörungsfreie Prüfverfahren und Biomedizinische Technik (non-destructive test procedures and biomedical engineering), Leibniz-Institut für Neue Materialien (new materials), Helmholtz-Institut für Pharmazeutische Forschung (pharmaceutical research) or Deutsches Forschungszentrum für Künstliche Intelligenz.
genz [research centre for artificial intelligence]. The universities and institutes have meanwhile produced some 200 technology-related spin-offs.

However, the benefits offered by the employment market in Saarland also influence the favourable nature of the location – in particular, the enormous potential of qualified labour and workers with experience in industry. Companies with production facilities in Saarland and in other regions emphasise the willingness of “Saarländer” to work shifts and overtime, and attest to the relatively strong sense of identity with “their” company. And, last but not least: When it comes to the promotion of economic development and licensing procedures, Saarland is a state of short and swift channels.

In spite of all this success, there is still a lot to do. For, as the well-known saying goes: Nothing is more constant than [structural] change.

Volker Giersch
Director of ZPT

Membrane production for artificial kidneys (dialyser) (Fresenius Medical Care Deutschland GmbH)
Collaboration opportunities for businesses

“In order to act as a bridge between France and Germany with an international flair”, Saarland University was established as a bi-lingual institute of higher education with the support of France in 1948. Since this time, Saarland University has continued to deepen and further develop its international orientation. From the outset, it has always attached great importance to the realisation of internationality not just in its bi-national and multi-national research projects, but also to its incorporation into the range of degree courses offered. Today, students of Saarland University have the opportunity to spend part of their degree course at partner universities abroad and acquire numerous international qualifications, whereby this option applies to all subject areas. The recent introduction of the certificate “Europaicum” enables undergraduates to apply themselves to aspects and issues specific to Europe as a supplement to their own subjects during their course of study. And, last but not least, the traditionally strong international orientation of Saarland University is reflected in the initiation and implementation of the project “University of the Greater Region”: Together with partner universities in France, Luxembourg, Belgium and Rhineland-Palatinate, a joint higher education area is being created in the border region offering unique opportunities for study and cooperation projects in the field of research.

In addition to the traditional focus “Internationalisation and Europe”, the University has also systematically set up and further developed core areas of research “Computer Science” and “NanoBioMed – Life and Materials” by means of profile shaping and quality assurance measures. The past few years have seen the division between science and application increasingly being broken through. By developing a stronger orientation towards the requirements of a modern industrial and service-based society, Saarland University has become a key cooperation partner for businesses. As an engine for economic development, it lays the foundation stones for future innovations, provides the impetus for modernisation and plays a special role in contributing to the competitiveness of Saarland as a location and of the companies in the region.

Computer Science

When it comes to computer science, Saarland University ranks among the best colleges worldwide. As the only institute of higher education in Germany, the University has achieved success in informatics within the framework of the Excellence Initiative, both in an excellence cluster and in the form of a Graduate School – whereby these two projects were extended by five years last year. This successful development is the result of the close integration and interaction between the University and research institutes on campus. The prestige enjoyed by Deutsches Forschungszentrum für Künstliche Intelligenz (DFKI) – German Research Centre for Artificial Intelligence, by the two Max-Planck Institutes for Informatics and Software Engineering speaks for itself: Today, the campus in Saarbrücken is regarded as the largest European research site for issues of computer science. The outstanding quality of the IT location Saarland is underpinned by numerous national and international cooperation projects in research and industry. For many years now, computer science has achieved one of the top spots in the rankings based on research reputation, research funds, student mentoring and conditions of study. A large number of spin-offs have already been created from the field of computer science.
Bioinformaticians of Saarland University developing special algorithms designed to assist physicians in the diagnosis of diseases on the basis of exhaled air. Photo: bellhäuser – das bilderwerk

The field of computer science in Saarbrücken offers students and PhD students from all corners of the globe an interesting and appealing environment in which to pursue their courses. The wide range of research subjects, extending from computer graphics to Artificial Intelligence to software engineering, is also reflected in the teaching. In addition to the professors, the directors and new generation of researchers of the Max-Planck Institutes and Deutsches Forschungszentrum für Künstliche Intelligenz are also involved in teaching – an attractive option for prospective students and graduates alike.

Besides a course of study in Computer Science, interdisciplinary degree courses are also offered at Saarland University, such as the Bachelor’s/Master’s Degree course “Computer and Communication Engineering”. This course provides the students with sound theoretical and practical training in all areas required for the understanding and further development of mobile communication technologies. A focused selection of relevant fields of computer science and electrical engineering enables students to specialise in various areas such as networks, circuitry and systems as well as signal processing. Graduates of the Bachelor’s Degree course “Bioinformatics” have acquired the skills necessary to understand problems and issues in bioinformatics and its application, to create mathematical models and to be able to apply scientific methods and findings of informatics to these problems. The objective of the Master’s Degree course in Bioinformatics is to supplement and intensify the knowledge acquired in the Bachelor’s course as preparation for the pursuit of challenging research and development activities in the field of bioinformatics at a national and international level.

Computer Science students at Saarbrücken University are given the opportunity of participating in industrial projects during their course of study, thus enabling them to gain practical experience. For students and PhD students pursuing an academic career, the Saarbrücken Campus is an ideal starting point to forge ahead with their own research activities and to network with universities and institutes all over the world.

**NanoBioMed – Life and Materials**

In the core area “NanoBioMed – Life and Materials”, scientists from the Faculties of Medicine, Natural Sciences and Technology, Zentrum für Human- und Molekularbiologie (ZHMB) [Human and Molecular Biology Centre] and Zentrum für Bioinformatik (ZBI) [Bioinformatics Centre] work together with Leibniz-Institut für Neue Materialien (INM) [Leibnitz Institute for New Materials], Fraunhofer-Institut für zerstörungsfreie Prüfverfahren (IZFP) and Fraunhofer-Institut für Biomedizinische Technik (IBMT) [Fraunhofer Institutes for Non-Destructive Test Procedures and Biomedical Engineering], Helmholtz-Institut für Pharmazeutische Forschung (HIPS) [Helmholtz Institute for Pharmaceutical Research] and the research cen-
Biotechnology offered at Saarland University is learning to work on issues of biotechnology in an interdisciplinary manner. The core subject areas of the course are systems biotechnology in conjunction with the associated subjects of bioinformatics, research into natural materials and active substances, molecular biotechnology and bioprocess engineering. Experiments are conducted using state-of-the-art methods in molecular biology, bioinformatics, bioanalysis and bioprocessing to investigate complex systems and to describe them with the aid of mathematical and bioinformatics models. This opens up new and forward-looking possibilities for metabolic engineering.

The nanosciences and biosciences are setting a sustainable course in Saarland and have become an integral regional economic factor. A large number of bioengineering companies have been set up from the academic environment of the University over the past few years; some Saarland-based companies already established on the market have shifted the focus of their activities to this future-oriented technology.

Mechatronics

The term mechatronics encompasses the interdisciplinary research fields of mechanics, micro-systems engineering, electrical engineering, electronics and information technology, which are becoming increasingly important for the functionality of high-tech products. Particular importance is attached here to micro-systems engineering which is regarded as a key technology of the 21st century. As a so-called "enabling technology", it provides crucial components of fundamental significance in a wide variety of application fields: Innovation applications in information technology and the automotive industry should be mentioned in this connection. Microtechnology is also an important module in the development of nanotechnology as a link between the macro and nanoworld. Micro-systems engineering is primarily of a technological nature: Complex micro-systems are the result of the combination of micro-electronics, micro-mechanics, micro-optics and special systems technologies. Information technologies have also gained in importance over the past few years and are now an integral part of forward-looking technologies.

As a consequence, the once separate courses of study in Systems and Electrical Engineering as well as Production Engineering were already brought together many years ago to create the interdisciplinary degree course in Mechatronics. The accompanying degree courses in Computer and Communications Engineering (in German: CuK, in association with the Faculty of Informatics) as well as Micro- and Nanostructures (in German: MuN, in association with the Faculty of Physics) make up the wide range of courses offered at Saarland University, which meet the demands placed on engineers today.

The Microtechnology Transfer Centre (Mikrotechnologie-Transferzentrum, shortened to Mitranz) was set up with the aim of transforming research into marketable products. This scientific institution of Saarland University is funded by the Faculty of Mechatronics. As a service-provider, it lends its support, in particular, to Saarland-based companies in the testing and introduction of micro-technologies and the implementation of innovative mechatronics on an ultra-small scale. The purpose of the affiliated Users’ Club is to ensure longer-term collaboration between businesses and science by enabling partner companies to make use of the

**Bacteria on a copper surface with line structures created using laser interference technology.**

*Photo: Saarland University*
available research facilities for their own project staff in addition to the existing infrastructure.

The Centre for Mechatronics and Automation Engineering (Zentrum für Mechatronik und Automatisierungstechnik, ZeMA gGmbH), was established in 2009 in order to pool the knowledge and expertise of the Saarland University and HTW (Saarland University of Applied Sciences), to pursue application-oriented development, thereby strengthening Saarland as an innovative and industrial location. ZeMA regards itself as an interdisciplinary research institute for the development of industrial products and processes. The three fields of activity are “Sensor and Actuating Systems”, Production Processes and Automation” as well as “Assembly Processes and Automation”. The shareholders of ZeMA are the Federal State of Saarland, Saarland University (UdS) as well as Hochschule für Technik und Wirtschaft des Saarlandes (HTW).

Materials Science / Materials Engineering
Saarland University distinguishes itself by means of a long tradition of Materials Science and Materials Engineering as well as process and test engineering connected with these two disciplines. The field is closely linked to the basic disciplines of natural sciences (physics and chemistry) and engineering sciences (mechatronics). Together with Fraunhofer-Institut für Zerstörungsfreie Prüfverfahren (IZFP) (Fraunhofer Institute for Non-Destructive Test Procedures), Leibniz-Institut für Neue Materialien (INM) (Leibnitz Institute for New Materials) and Steinbeis Material Engineering Center Saarland, there is a great diversity of expertise in the field of materials testing and characterisation, new and nanostructured materials, polymers and maximum admissible strain available on the University Campus.

Research into so-called new materials and the enhancement of conventional materials have always been a fundamental basis for new technological developments. Some examples illustrating the fact that the possibilities for application are as multifaceted as the materials themselves include lightweight construction in vehicle and aircraft engineering, improvements in the efficiency of power stations and other power plants by means of high-temperature materials, the increase in transmission capacities and speeds in data networks from the application of new materials, and even extend to materials which have “senses” and also have the ability to act (“smart materials with integrated sensor/actor functions modelled on nature). In 2012, the Materials Researchers of the University and industrial partners set up the “Forschungscampus Saar” (Research Campus Saar) in order to improve collaboration between companies, the University and research institutes and to promote cooperation projects between businesses and science in the field of materials science and processes. A central point of contact for this field has thus been created by means of this cross-institutional amalgamation. The Contact Office for the Transfer of Knowledge and Technology (Kontakstelle für Wissens- und Technologietransfer der Universität (KWT)) plays a major role in the “Research Campus” and has thus further extended its function as a hinge between businesses and science.
Technology Transfer of Saarland University provides the Universität des Saarlandes/KWT (Office for Knowledge and Kontakstelle für Wissens- und Technologietransfer der Technology transfer and business start-ups). The database www.uni-saarland.de/praktikum is used to facilitate coordinating contacts between students and companies. Enterprises can offer internships and subject-related activities to the students of the university in the internship database. After completing their degree courses, graduates frequently apply to those companies in which they were already able to gain practical experience as part of an internship. Now, this Coordination Office of the University (KSP) enables enterprises to establish contacts with prospective future specialists at an early stage. The Coordination Office was set up in 2012 with the aim of facilitating and coordinating contacts between students and companies. Enterprises can offer internships and subject-related activities to the students of the University in the internship database www.uni-saarland.de/praktikum.

The Coordination Office for Studies and Internships Koordinationsstelle Studium & Praxis (KSP) – was set up in 2012 on Campus with the objective of creating a patent-friendly atmosphere and increasing the number of patent applications from the universities. Companies can also benefit from the knowledge of the professors and institutes of the University as well as research institutes outside the University can be established swiftly and in targeted fashion.

The Patent Marketing Agency of the Universities of Saarland (PatentVerwertungsAgentur der Saarländischen Hochschulen [PVA]) is a division of “Universität des Saarlandes Wissens- und Technologietransfer [WuT] GmbH” (Saarland University Knowledge and Technology Transfer) and was set up on Campus with the objective of creating a patent-friendly atmosphere and increasing the number of patent applications from the universities. Companies can also benefit from the knowledge of the specialists at PVA. This Agency can be commissioned to perform patent researches, to prepare patenting strategies and to provide support with regard to their implementation. It exploits patents already in existence by procuring potential licensees, preparing licence and purchase agreements and putting them into practice.

A major contribution to the transfer of technology of the University has, however, always been made by the graduates who are acquainted with the latest research findings. A further significant form of technology transfer at Saarbrücken University lies in the promotion of business start-ups. For some 20 years now, the climate on campus has been favourable for start-ups and entrepreneurial activities: Students are motivated by KWT to give consideration to the possibility of setting up their own businesses and these founders of businesses and young entrepreneurs are provided with advice and support to meet their individual requirements in all phases of the foundation process.

Fixed-term collaboration:

Students and companies get to know each other

Students can be commissioned to take on orders for tasks in companies which lend themselves to be processed and performed for a limited period of time. The tasks should be projects with a fixed term, such as conducting market analysis or HTML programming. Students who are able to verify that they have the required know-how can apply to carry out the advertised orders as “young entrepreneurs in training” (“junger Unternehmer im Training”, abbreviated to “jUinT”). What is special here is the fact that while they are performing these tasks, they become self-employed on a trial basis. KWT provides its support and consultation services to the young entrepreneurs by means of training before and while the students carry out the order.

Moreover, KWT offers workshops at Saarland University entitled “Brainstorming – From the idea to the concept” in which the students acquaint themselves with creative techniques and principles of cutting-edge project development. They then use these skills as a basis in order to process specific problems and issues from companies based in Saarland. Institutions and companies can make use of this “brainstorming” to find unconventional and creative approaches to solving problems encountered in day-to-day business operations.

The Start-up Centre

In 1995, Saarland University was the first institute of higher education in Germany to establish a Start-up Centre. Here, KWT offers students and scientists advice and support in the setting up of businesses. Business premises, laboratories, conference and training facilities can be rented at the on-campus Centre on favourable conditions. In a national and international comparison, the Start-up Centre has a proven track record with 247 start-ups, creating a total of 1,450 new jobs. (Last updated: February 2013)

The business foundation university

on the “Start-up Campus Saar”

In January 2013, the University convincingly demonstrated its strategic concept “Start-up Campus Saar” in the EXIST competition run by the Federal Ministry of Business and Technology (www.exist.de) and was awarded the prestigious title “Business Foundation University” by Economics Minister Philipp Rösler as one of the top three universities.

Taking findings from research and development activities and converting them into marketable products and services by setting up spin-offs is something which has already been promoted for a long time at Saarland University. The objective on the Start-up Campus Saar is to further increase the number of new businesses being founded and to significantly raise the proportion of newly created high-tech companies. It is intended that spin-offs from the University and the research institutes in Saarland will create some 3,000 high-quality jobs within the next five years.

In order to put this ambitious project into practice, the University will receive up to 2.7 million EUR of federal funds in the next few years. As a result, a sustainable start-up culture in teaching, research and administration of the University as well as the off-campus research institutes will be established on the “Start-up Campus Saar”. The issue of start-ups will be deeply rooted in all subjects; in addition to the professors, a significant role will also be played by former business founders from the Start-up Centre and external entrepreneurs who will share their

Technology transfer and business start-ups

Kontaktstelle für Wissens- und Technologietransfer der Universität des Saarlandes/KWT (Office for Knowledge and Technology Transfer of Saarland University) provides the market with access to the research findings of the University and identifies approaches for successful collaboration at the interface of science and industry. As a central point of contact, it promotes and lends its support to the targeted exchange of information and experience with the companies of the region. It informs companies in relation to the possibilities of conducting cooperation projects with scientists of the University, offers consultancy services with regard to sponsorships and provides assistance in the drawing up of cooperation agreements. Contacts with the professors and institutes of the University as well as research institutes outside the University can be established swiftly and in targeted fashion.

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own personal experiences. In association with start-up pioneer Professor August-Wilhelm Scheer, the aim is to provide the founders of new businesses with support in corporate growth and internationalisation.

An "IT Incubator" is to be set up to bridge development gaps which are frequently encountered in the field of computer science. Swift and targeted implementation in terms of software is necessary in order to be able to hold one’s own on the market. Therefore, the University will be joining forces with the Max-Planck Institute to set up the "IT Incubator" on the campus of Saarland University. The idea behind this project is to further develop proprietary research findings in market-oriented fashion and to create professional prototypes.

When congratulating the University on its success, Minister President Kramp-Karrenbauer referred to the "Start-up Campus Saar" as the "driving force behind technological progress and structural change". She went on to say: "In addition to research and teaching, a further focal point has been established which is essential for economic development in Saarland."

Promoting the transfer of science into businesses is also an important objective for Heiko Maas, Economics, Employment, Energy and Transport Minister. "Young academics must be encouraged to make use of their valuable ideas and embark upon the challenge of becoming self-employed – indeed to set up their business operations here in Saarland in order to create jobs and value."

Kontaktstelle für Wissens- und Technologietransfer der Universität des Saarlandes (KWT)
Dipl.-Kfm. Axel Koch (MBA)
Campus Saarbrücken, Geb. A1 1, D-66123 Saarbrücken
Phone: +49 (0)681 302-2656
Fax: +49 (0)681 302-4270
Mail: kwt@rz.uni-saarland.de
www.kwt-uni-saarland.de

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Junker & Partner GmbH has been re-named Carl Zeiss Fixture Systems GmbH: two strong partners are becoming even stronger through their fusion. For Saarland it means that this specialist in measurement technology is placing its trust in innovative strength and in Saarland as a business location. Everyone benefits.
Kontaktstelle für Wissens- und Technologietransfer

The direct route from the idea to the product

Kontaktstelle für Wissens- und Technologietransfer (KWT) – Contact Office for the Transfer of Knowledge and Technology – identifies ways for successful collaboration at the interface of science and business, and makes research findings of Saarland University accessible to the market.

By using research findings from the university to solve issues and problems encountered in practical day-to-day operations, companies can adapt their range of products and services to meet the latest requirements and reinforce their competitive position. This cooperation with the university provides small and medium-sized companies, in particular, with access to an efficient “temporary R&D Department”.

Boosting innovative strength by securing and harnessing R&D results

The evaluation of an idea – whether for developing new products or enhancing existing ones or for assessing the prospects of success for the establishment of a new company – is essential in order to be able to realistically assess feasibility, marketing opportunities and risks.

KWT and PatentVerwertungsAgentur der Saarländischen Hochschulen (PVA) - Patent Exploitation Agency of the Universities of Saarland – support graduates, inventors as well as companies in the evaluation of an idea and its implementation, while maintaining secrecy. PVA can be commissioned to conduct patent research, works out patenting strategies and lends its support in their implementation. The agency takes over the exploitation of already existing patents by acting as an agent in the search for potential licensees and assists in negotiating licence and sales agreements.
Stimulating innovation in the region

From research to practical applications – from practical applications to the university: FITT gGmbH – Institut für Technologietransfer at the University of Applied Sciences of Saarland (HTW) forms the central interface between htw saar and the companies of the region.

Funded by the State Chancellery of Saarland and with a team comprising 90 experienced research scientists, the Institute applies itself to ensuring that ideas, stimuli, conceptual designs and solutions flow from the laboratory into practical applications in companies.

One of the many objectives of the Institute is to bolster the local economy. Technology transfer plays an important role in the development of innovative technologies and competitive products in Saarland.

Companies and sectors will find a reliable business partner in FITT gGmbH for the successful implementation of research projects in association with professors of htw saar.

As a result of joint R&D projects with htw saar, small- and medium-sized enterprises, in particular, are able to realise innovations more swiftly, thereby strengthening their own competitive position.
htw saar is the state university of applied sciences in Saarland. In four faculties (Architecture and Civil Engineering, Engineering Sciences, Social Sciences, Economics) 140 professors are committed to providing a sustainable and application-oriented academic education for the 5,800 students and conduct research for regional, national and international companies and institutions. htw saar offers 42 Bachelor’s and Master’s degree programmes, eleven of which are fully integrated Franco-German courses of study, as well as 18 advanced courses and certificates. The institute receives 5 million euros of third-party funding for R&D projects, and thus ranks highest among German universities of applied sciences.

Expansive development
Since 2000, the number of applicants has more than quadrupled, and enrolments and the overall number of students have more than doubled. All courses of study are accredited; the entire range of courses offered was converted into Bachelor’s and Master’s degree programmes in 2005. htw saar is actively involved in 50 international cooperation projects; the percentage of foreign students is 16%. The flagship of internationalisation is the "Deutsch-Französisches Hochschulinstitut (DFHI/ISFATES)" [Franco-German Institute of Higher Education for Technology, Economics and Sciences] supported jointly with Université de Lorraine. More than 100 companies participate in the cooperative course of study at the university, which, in turns, is actively involved in regional and national networks and clusters. The share of third-party funding received by the university has risen from under 1 million to 5 million euros, many new research institutes and groups have been set up and several research awards have been won. In 2011, htw saar was accepted into the prestigious European University Association (EUA). Since 2009, the Saarland government has been reconstructing and improving the facilities at the sites Alt-Saarbrücken and Rotenbühl at a cost of over 100 million euros: this is the largest investment that has ever been made in the Saarland University of Applied Sciences.

Profile
htw saar is an application-oriented institute of higher education heavily engaged in research activities and whose focus in terms of courses of study, teaching, advanced training, R&D as well as the transfer of knowledge and technology is geared towards the economic structure of Saarland. The strengths of the university include the flexibility of the overall structure of the institute, its deep roots in the region and the open learning environment. Its location in the tri-border region of Germany, France and Luxembourg is a further distinguishing feature. The DFHI/ISFATES is particularly noteworthy for its cross-border, fully-integrated and diverse range of courses. Some 400 students are currently enrolled in eleven Franco-German courses of study. At the present time, the four faculties and further research institutes of htw saar are still spread out over seven sites in and around Saarbrücken – a situation which will be eased as soon as the construction work has been completed.

Strategic re-orientation
Over the past twelve years, portfolio growth and differentiation have been the focal points of development. When the management of the institute changed in 2013, strategic measures were implemented to strengthen competitiveness on a national and international level. Against the background of demographic change, Saarland’s debt burden and growing competition on the higher education market, htw saar is developing a profile which puts it on the map beyond the borders of the state in the Greater Region, in Germany and internationally: Orientation of the content of its courses to the increased need for interdisciplinary and holistic knowledge, further internationalisation based on its own strengths and experiences, expanding its educational mission towards staff proficiency, social responsibility and life-long learning, development of a...
distinct research profile and assuming responsibility in the region by supporting the sustained structural change in Saarland under the general framework of global changes.

Quality of teaching
A multifaceted range of Bachelor’s and Master’s degree courses in engineering sciences, economics and social sciences is geared towards the needs in the region. At the Faculty of Architecture and Civil Engineering, the focal point lies in the integrated development and erection of buildings within the context of regional requirements. The Engineering Sciences are focused on the two traditional disciplines of Mechanical and Electrical Engineering as well as Computer Science, which provide the basis for creating interdisciplinary specialisations: Applied Communications Technology, Renewable Energies/Energy Systems Engineering, Process Engineering and Biomedical Engineering on the one hand, as well as Mechatronics/Sensor Technology, Automotive Engineering and Engineering and Management on the other. The Social Sciences concentrate on (early childhood) Education, Social Work, Integration and Interculturality as well as Nursing and Health Sciences and Gerontology. At the Faculty of Economics, the initial focus lies on General Business Administration and Business Management, Logistics, International Management, Marketing, Energy Management, as well as Accounting and Auditing, with Industrial Engineering and Management as the second focal point. The study programme Aviation Business is a special course providing training to become a commercial aircraft pilot in combination with a course in industrial engineering and management.

The quality, profile and practical orientation of a course of study at htw saar result in strong demand for its graduates. htw saar opens up potential in terms of education: It allows students attending technical and commercial colleges, whereby the proportion of such students is higher compared with other federal states, to embark upon a course of study at an institute of higher education, and is the university of choice for students from less education-minded backgrounds.

As part of the German quality pact on teaching, approx. 6.2 million euros of additional funds will be made available in the next few years to optimise the success of the courses of study.

The numerous student projects are a special feature of the quality of teaching at htw saar. Each year, the Saarland School of Architecture (Schule für Architektur Saar (SAS)) concerns itself with issues of urban and regional development and other architecture-related areas in project weeks spread over several terms. In as early as 2001, the Civil Engineering Department set up a practical swift introductory course for freshers entitled “Civil Engineer in five months”, which had extremely positive effects on the acceptance of theory and the ability to study after students had recovered from the initial “deer in the headlights” syndrome. In Engineering Sciences, students showcase their own designs at an inventors’ fair held each year; they are also required to attract funding from sponsors and to develop marketing concepts. The Saar-RacingTeam (SRT), comprising students from several faculties of htw saar, has been taking part in the international student competition “Formula Student” for seven years now by planning, designing and constructing a racing car (SaarRacingCar), which is competitive in the relevant races. The know-how of the htw saar SRT students and their workshop have been made available to students of Saarland University for the design engineering of a Saar Racing Green Car for two years. The student project Service...
Learning of the Faculty of Economics won the regional award for university teaching in 2012; this future-oriented approach is due to be transferred to other faculties. Students of Nursing and Health Sciences have been commissioned by Saarbrücken, the state capital, to design a comprehensive guide for dementia patients and their families. Students are encouraged to become involved in the community in an honorary capacity in mentoring programmes and in projects such as “Balu und Du”.

**Advanced training and dual study**
The Institute of Advanced Academic Education (Institut für Wissenschaftliche Weiterbildung (IWW)) was founded in 2006; based on its core areas of expertise, htw saar has thus been able to successfully gain access to the market for continuing education. Seven certificate programmes, seven Bachelor’s degree courses and four Master’s degree courses can be pursued while holding down a full-time job. The ranges of courses offered by IWW are subject to fees.

There are three variations of dual courses of study available at htw saar – the Cooperative Degree Programme, the Integrated Degree and Traineeship Course and the Integrated Degree and Career Course. Participants in the Cooperative Degree Programme study together with all of the other students in the undergraduate programme, but also spend one day at a company per week during term time. During the semester break when there are no lectures, the students spend 10 weeks at the company on a full-time basis. They are given tasks corresponding to the knowledge gained in the theoretical part of the course, thereby making it possible to dovetail theory and practice. An Integrated Degree and Traineeship Course at htw saar is integrated into the normal course of study in two programmes (Electrical Engineering with Siemens AG and Civil Engineering with the Landesbetrieb für Straßenbau [LIS]). In both cases, the students apply to Siemens AG or LIS respectively for a traineeship and, at the same time, to htw saar for a place at the university. The third case concerns a course of study developed by the university, the generalist training-integrated model Bachelor’s degree in Nursing: here, a htw saar course of study is combined with training to become a healthcare assistant and nurse, a healthcare assistant and paediatric nurse and geriatric nurse – a model that is one-of-a-kind in Germany. Phases of study at htw saar alternate with practical training in the eight cooperating institutions (hospitals, nursing homes for the elderly, etc.). In the three study programmes of the Integrated Degree and Career Course at htw saar (Bachelor’s degree courses in Business Administration, Management and Expertise in Nursing and Healthcare and Early Childhood Education), practical vocational training is combined with academic instruction. For this reason, the participating students must have undergone the relevant vocational training.

**R&D and technology transfer**
htw saar is a pioneer in application-oriented research at universities of applied sciences. The model project “Stimulation of application-oriented research at universities of applied sciences” (in German: SAFF) of the Bund-Länder-Commission was set up at htw saar in 1989. The organisational and handling model developed at htw saar within the scope of this project formed the basis of the development scheme “Research at Universities of Applied Sciences” of BMBF (Federal Ministry of Education and Research). htw saar has continued to achieve an above-average degree of success in securing third-party funding for research purposes. One special feature concerns the interlinking of lecturer positions at htw saar with the position of a head of department at Fraunhofer-Gesellschaft; there are two such joint positions at htw saar. Over time, 18 research institutes have been set up at htw saar, including three affiliated insti-

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Project from the inventors’ fair Konstrukta 2012: The chalk recycler turns left-over pieces of chalk into reusable sticks. The next Konstrukta will take place on 26th October 2013.
Moreover, Saarland University of Applied Sciences is jointly involved in the Centre for Mechatronics and Automation Technology (Zentrum für Mechatronik und Automatisierungstechnik (ZeMA)) with Saarland University and Saarland government. The research activities conducted are well distributed. In 2012, 97% of the third-party funds for R&D projects were spread out among 23 institutes and research groups. Within the research groups, there are some individual, extremely strong groupings with nationally and internationally recognised and visible research findings, intensive activities in terms of publications and PhD project mentoring. The R&D activities are essentially grouped around the application fields of industrial value-added of the future, change in energy systems, healthcare, medicine and engineering, sustainable structural change (in Saarland) and learning environments for life-long learning.

htw saar organises the transfer of technology and knowledge to companies as well as to social and public institutions in a non-profit company FITT GmbH, sponsored by the federal state. The company, which currently employs around 80 members of staff, serves its purpose, in particular, by designing, preparing, looking after and implementing application-related research and development projects. Founded in 1985, the institute has been operating as a non-profit limited company since 2002. The partners of the company are htw saar, FITT e.V. (a sponsoring association and, at the same time, an amalgamation of leading companies in the region as well as the Chambers) and ProtTec e.V. [many of the professors of htw saar are organised here]. All major protagonists for the successful transfer of technology come together in FITT gGmbH: companies, the University of Applied Sciences and the professorate. The company is currently involved in some 100 projects of a diverse nature from all faculties. Around 80 companies – predominantly from Saarland, but also far beyond the state borders – participate in these projects. Moreover, FITT gGmbH carries out publicly sponsored research projects. Funding is provided, for example, by the Federal Ministry of the Environment (Bundesministerium für Umwelt), the Federal Ministry of Economics (Bundeswirtschaftsministerium) or the Federal Ministry of Employment and Social Affairs (Bundesministerium für Arbeit und Soziales). (FITT gGmbH – see page 27).

Internationalisation

In association with Université de Lorraine and Université du Luxembourg, htw saar currently offers transnational Franco-German courses of study within the framework of the Franco-German Institute of Higher Education. This institute, DFHI/ISFATES, was founded in 1978, and is the oldest and, to date, the largest Franco-German university cooperation project in view of the range of courses and the number of graduates. The course and teaching are based on a transnational structure with joint examination and study regulations. The education is practice-oriented and in line with the respective vocational area. The course profile enables the graduates to work in a Franco-German context in their vocational area.

The first cooperation agreement with the Conservatoire National des Art et Métiers (CNAM) was signed in 2011; it will be one of the most important partners of htw saar regarding advanced education in the future. In 2011, CNAM and htw saar set up a joint Centre of Excellence for Transnational Advanced Education/ Pôle de formation trans-frontalier in Forbach, France, situated close to the border.

Predominantly English-based cooperation projects represent the second pillar of internationalisation at htw saar, with the focus on exchange programmes for students and teaching staff. htw saar has 37 cooperation agreements with European universities (ERASMUS) and 16 agreements with universities overseas as well as the Eurasian state of Georgia. In addition to Université de Lorraine, Université du Luxembourg and CNAM mentioned above, Saxion Universities of Applied Sciences in the Netherlands is an important partner since they have similar structures, thereby making them ideal for exchanges. In the case of overseas partners, the university has particularly close contacts with James Madison University in the USA, TEC de Monterrey and Universidad Iberoameri-
cana in Mexiko and the Chinese-German University of Applied Sciences (CDHAW) at Tongji University in Shanghai, where numerous possibilities for cooperation projects were opened up after concluding agreements in 2010.

Cooperation projects
The most significant academic cooperation is with Saarland University, in which a course of study (Master of Evaluation), the Computer Centre (Hochschul-IT-Zentrum, HIZ), the library service (LIBERO) and a Learning Management System (CLIX) are jointly run by both institutes. htw saar is linked to Fraunhofer-Gesellschaft via its institutes IBMT (Institut für Biomedizinische Technik – Institute for Biomedical Engineering) in St. Ingbert, IZFP (Institut für zerstörungsfreie Prüfverfahren – Institute for Non-destructive Test Procedures) in Saarbrücken and AIS (Institut für Autonome Intelligente Systeme – Institute for Autonomous Intelligent Systems) in St. Augustin. Research professors of htw saar work as heads of department at the first two institutes; the latter is the initiator of the RobertaRegioZentrum at htw saar (robotics, electrical engineering, mechatronics particularly for female pupils).

At the present time, 110 companies are involved in the Cooperative Programme (see above) with htw saar and its students. The list reads like a “Who’s Who” in the regional and national business world: The members of the Cooperative Course of Study of htw saar include AG der Dillinger Hüttenwerke, ALDI Süd, Bosch, Eberspächer, Evonik, Ferchau, Fraunhofer IZFP, Fresenius Medical Care, Globus, Hager, Hydac, Karlsberg, Siemens and Software AG, as well as several SMEs, which is of particular importance. Many of these companies and institutions are involved in the board of trustees of the Cooperative Programme, where they can contribute to further developing this successful model.

Additional contractual partners outside the Cooperative Course of Study are also important for htw saar, for example the flight training schools with which the course Aviation Business is operated, or the bodies responsible for the training institutes for the model course of study in
Nursing. Similarly, SaarLB occupies an important position; it is particularly involved in the DFHIS/FATES as a Franco-German bank for small- and medium-sized businesses. Sparkassenverband des Saarlandes sponsored the Student Card, among other things.

The former Saarbrücken Health Office (Gesundheitsamt Saarbrücken), in future “Haus des Wissens” (House of Knowledge) of htw saar. The Faculties of Architecture and Social Sciences, Student Services and Central Administration will be moving into this building in September 2013.

htw saar has maintained long-term and efficient contractual relationships based on mutual trust with various chambers and associations, such as IHK (Chamber of Commerce and Industry), HWK (Chamber of the Skilled Trades), Arbeitgeberverband der Bauwirtschaft des Saarlandes (Employers’ Association of the Construction Industry of Saarland), Arbeitskammer des Saarlandes (Saarland Chamber of Employment), Verband der Metall- und Elektroindustrie des Saarlandes e.V. (MESaar, Association of the Metal and Electrical Industry of Saarland) and Vereinigung der Saarländischen Unternehmensverbände e.V. (VSU, Union of commercial and industrial enterprises of Saarland). Some of these institutions have set up endowed professorships at the university or carry out continuous sponsoring activities. Finally, an important role is played by Arbeiterwohlfahrt (AWO) Saar which runs the day care centre at the university and is a partner in further projects.
## Structural data of the Saarland economy

### Structural change in Saarland

<table>
<thead>
<tr>
<th>Labor force subject to social insurance contributions</th>
<th>Saarland</th>
<th>Change in %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2005</td>
<td>2011</td>
</tr>
<tr>
<td><strong>Industry</strong> (including):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mining and quarrying</td>
<td>5,419</td>
<td>2,386</td>
</tr>
<tr>
<td>Processing industry</td>
<td>99,926</td>
<td>98,791</td>
</tr>
<tr>
<td>Construction industry</td>
<td>18,894</td>
<td>20,493</td>
</tr>
<tr>
<td><strong>Service</strong> (including):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trade</td>
<td>52,794</td>
<td>53,635</td>
</tr>
<tr>
<td>Hotel and catering industry</td>
<td>7,030</td>
<td>8,255</td>
</tr>
<tr>
<td>Transport, communications</td>
<td>14,662</td>
<td>15,136</td>
</tr>
<tr>
<td>Banking and insurance</td>
<td>13,118</td>
<td>12,567</td>
</tr>
<tr>
<td>Business-related services</td>
<td>40,843</td>
<td>52,958</td>
</tr>
<tr>
<td>Administration, social insurance</td>
<td>19,203</td>
<td>22,520</td>
</tr>
<tr>
<td>Public and private services</td>
<td>66,079</td>
<td>61,587</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>343,579</td>
<td>366,846</td>
</tr>
</tbody>
</table>

*Source: Bundesagentur für Arbeit (Federal Employment Office)*

### Graphical Representation

The graph shows the labor force subject to social insurance contributions in the Saarland region compared to Germany. The x-axis represents the change in percentage, ranging from -60% to +20%. The y-axis represents various industries and services. The bars indicate the number of labor force subject to social insurance contributions for each category in both regions, with blue bars representing Saarland and yellow bars representing Germany. The differences in the labor force subject to social insurance contributions are visually depicted to show the structural change in the Saarland economy.
# Structural data of the Saarland economy

**Structural change in Saarland**

<table>
<thead>
<tr>
<th>Number of inhabitants per sq. km (2011)</th>
<th>Saarland</th>
<th>Federal Republic of Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>394</td>
<td>229</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Employment rate 2011 in per cent (total)</th>
<th>Saarland</th>
<th>Federal Republic of Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>47.8</td>
<td>51.8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Men</th>
<th>Women</th>
</tr>
</thead>
<tbody>
<tr>
<td>53.9</td>
<td>57.1</td>
</tr>
<tr>
<td>41.9</td>
<td>46.7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unemployment rate 2011 in per cent (total)</th>
<th>Saarland</th>
<th>Federal Republic of Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6.8</td>
<td>7.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Men</th>
<th>Women</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.7</td>
<td>7.1</td>
</tr>
<tr>
<td>6.9</td>
<td>7.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gross domestic product (GDP) per inhabitant (2011) in EUR</th>
<th>Saarland</th>
<th>Federal Republic of Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30,059</td>
<td>31,440</td>
</tr>
</tbody>
</table>

**GDP (2011): Shares of groups as a percentage**

<table>
<thead>
<tr>
<th>Agriculture and forestry, fisheries</th>
<th>Saarland</th>
<th>Federal Republic of Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.3</td>
<td>1.0</td>
</tr>
<tr>
<td>Manufacturing industry</td>
<td>35.5</td>
<td>30.0</td>
</tr>
<tr>
<td>Construction industry</td>
<td>4.2</td>
<td>4.4</td>
</tr>
<tr>
<td>Trade, hotel and catering industry, transport</td>
<td>14.9</td>
<td>15.2</td>
</tr>
<tr>
<td>Finance, insurance</td>
<td>4.2</td>
<td>5.3</td>
</tr>
<tr>
<td>Company-related services</td>
<td>7.9</td>
<td>10.8</td>
</tr>
<tr>
<td>Public and private services</td>
<td>20.1</td>
<td>18.3</td>
</tr>
</tbody>
</table>

**Labour force subject to social insurance contributions (30.06.2011): Shares of groups as a percentage**

<table>
<thead>
<tr>
<th>Agriculture and forestry, mining and quarrying</th>
<th>Saarland</th>
<th>Federal Republic of Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.8</td>
<td>1.1</td>
</tr>
<tr>
<td>Processing industry</td>
<td>27.1</td>
<td>22.5</td>
</tr>
<tr>
<td>Energy and water supply, sewage and waste disposal</td>
<td>1.7</td>
<td>1.6</td>
</tr>
<tr>
<td>Construction industry</td>
<td>5.5</td>
<td>5.7</td>
</tr>
<tr>
<td>Trade</td>
<td>14.5</td>
<td>14.4</td>
</tr>
<tr>
<td>Hotel and catering industry</td>
<td>2.3</td>
<td>3.1</td>
</tr>
<tr>
<td>Transport and warehousing</td>
<td>4.1</td>
<td>5.1</td>
</tr>
<tr>
<td>Banking and insurance</td>
<td>3.4</td>
<td>3.5</td>
</tr>
<tr>
<td>Real estate and housing, company-related services</td>
<td>14.5</td>
<td>16.8</td>
</tr>
<tr>
<td>Public administration</td>
<td>6.1</td>
<td>5.9</td>
</tr>
<tr>
<td>Education and training</td>
<td>3.5</td>
<td>3.8</td>
</tr>
<tr>
<td>Healthcare and social services</td>
<td>13.6</td>
<td>12.7</td>
</tr>
<tr>
<td>Other public and private services</td>
<td>2.9</td>
<td>3.6</td>
</tr>
<tr>
<td>Private households</td>
<td>0.1</td>
<td>0.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Industrial labour force per 1,000 inhabitants 2011</th>
<th>Saarland</th>
<th>Federal Republic of Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>85</td>
<td>63</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total wages and salaries per industrial employee (2011) in EUR</th>
<th>Saarland</th>
<th>Federal Republic of Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>41,715</td>
<td>44,417</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Export share of industry (2011) in per cent</th>
<th>Saarland</th>
<th>Federal Republic of Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>49.5</td>
<td>46.1</td>
</tr>
</tbody>
</table>
# Structural data of the Saarland economy

## Structural change in Saarland

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Population and gainful employment</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Population</td>
<td>JE 1,066,299</td>
<td>1,073,706</td>
<td>1,084,370</td>
<td>1,068,703</td>
<td>1,050,293</td>
<td>1,017,567</td>
<td>1,013,352</td>
</tr>
<tr>
<td>Labour force</td>
<td>ST 406,197</td>
<td>470,500</td>
<td>458,000</td>
<td>494,000</td>
<td>488,000</td>
<td>489,600</td>
<td>486,000</td>
</tr>
<tr>
<td>Employment rate</td>
<td>ST 40.0</td>
<td>44.6</td>
<td>42.3</td>
<td>44.1</td>
<td>46.2</td>
<td>47.9</td>
<td>47.8</td>
</tr>
<tr>
<td><strong>Gross domestic product</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>in respective Prices (million EUR) JS</td>
<td>J5 22,720</td>
<td>24,737</td>
<td>27,957</td>
<td>30,056</td>
<td>30,501</td>
<td></td>
<td></td>
</tr>
<tr>
<td>in Price as of 1995 (million EUR) JS</td>
<td>J5 22,720</td>
<td>23,785</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mining and processing industry</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial employment rate*</td>
<td>JE 146</td>
<td>130</td>
<td>105</td>
<td>99</td>
<td>93</td>
<td>89</td>
<td>94</td>
</tr>
<tr>
<td>Industrial enterprises JD</td>
<td>JD 597</td>
<td>610</td>
<td>534</td>
<td>539</td>
<td>496</td>
<td>499</td>
<td>507</td>
</tr>
<tr>
<td>Labour force</td>
<td>JD 154,874</td>
<td>139,482</td>
<td>113,104</td>
<td>105,801</td>
<td>97,985</td>
<td>90,861</td>
<td>95,137</td>
</tr>
<tr>
<td>Mining JD</td>
<td>JD 24,124</td>
<td>20,369</td>
<td>16,781</td>
<td>10,646</td>
<td>7,015</td>
<td>3,670</td>
<td>2,858</td>
</tr>
<tr>
<td>Processing industry JD</td>
<td>JD 130,750</td>
<td>119,113</td>
<td>96,322</td>
<td>95,155</td>
<td>90,783</td>
<td>87,191</td>
<td>92,279</td>
</tr>
<tr>
<td>Turnover (million EUR) JS</td>
<td>J5 10,082</td>
<td>14,537</td>
<td>15,975</td>
<td>18,643</td>
<td>22,723</td>
<td>23,669</td>
<td>27,390</td>
</tr>
<tr>
<td>of which overseas sales JS</td>
<td>J5 3,310</td>
<td>4,762</td>
<td>5,045</td>
<td>7,432</td>
<td>10,145</td>
<td>11,579</td>
<td>13,152</td>
</tr>
<tr>
<td><strong>Construction finishing and fittings</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hours worked (1,000 h) JD</td>
<td>JD 4,590</td>
<td>3,471</td>
<td>3,364</td>
<td>3,766</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Labour force</td>
<td>JD 3,619</td>
<td>2,749</td>
<td>2,924</td>
<td>3,301</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Turnover (million EUR) J5</td>
<td>J5 286.5</td>
<td>248.8</td>
<td>305.8</td>
<td>344.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Main construction work</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hours worked (1,000 h) JD</td>
<td>JD 14,080</td>
<td>10,377</td>
<td>10,197</td>
<td>11,150</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Labour force</td>
<td>JD 11,716</td>
<td>9,329</td>
<td>9,247</td>
<td>9,094</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Turnover (million EUR) J5</td>
<td>J5 1,093.5</td>
<td>953.7</td>
<td>1,017</td>
<td>1,062</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Services, employees subject to social insurance contributions</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Trade, hotel + catering industry ST</td>
<td>ST 61,625</td>
<td>59,134</td>
<td>59,330</td>
<td>60,408</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Transport ST</td>
<td>ST 15,352</td>
<td>14,838</td>
<td>14,093</td>
<td>14,780</td>
<td></td>
<td></td>
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<tr>
<td>Banking and insurance ST</td>
<td>ST 12,999</td>
<td>13,076</td>
<td>12,383</td>
<td>12,360</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Real estate, rentals, company-related services ST</td>
<td>39,286</td>
<td>39,418</td>
<td>50,695</td>
<td>51,542</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public administration ST</td>
<td>ST 19,367</td>
<td>19,106</td>
<td>21,945</td>
<td>22,310</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public and private services ST</td>
<td>ST 64,554</td>
<td>65,407</td>
<td>68,866</td>
<td>70,815</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service sector employm. rate* ST</td>
<td>ST 141</td>
<td>157</td>
<td>172</td>
<td>199</td>
<td>201</td>
<td>223</td>
<td>229</td>
</tr>
</tbody>
</table>

Source: Statistisches Landesamt Saarland (Saarland Statistics Office)

JE = end of year
JS = annual total
ST = cut-off date
JD = annual average

* Gainfully employed persons per 1,000 inhabitants
1) new system as of 1999
2) cut-off date 30th June as of 2010
Saarland in the heart of Europe

... with good transport connections
Reprint

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- Company-owned data center
- International locations
- Multilingual customer portals
- Highly automated processes
- Customized IT solutions

THE DOMAIN EXPERTS

www.key-systems.net
The success of modern medicine is based on an amount of human effort and powerful and technologically advanced innovations in the precision manufacturing. Thereby the welfare of the patients accompanies the high level of medical engineering.

For 20 years we represent first class quality management, innovative product design and best customer services. Certified standards in clean room-production guarantee precision from the start of producing to the state of distribution.

In consultation with our customers, we are creating injection molding items like transfer cannulas, catheter-systems and products for the medical section of transfusion. Our strengths in particular are the development of your product concepts from the instrument to the finished product in sterile production.

**Products / Achievements**

- Precision products made for medical purposes
- sterile injection molding items
- catheter-systems for urology / ophthalmology
- lumbar-puncture sets
- bandage sets
- catheter-systems for anesthesia / intensive care

**Facts**
- Established: 1982
- Employees: 45

**President**
- Heinz Montag

**Contact person**
- Stefan Kynast, Technik
- Jürgen Kistner, Technik

**Audience / Department**
- producer / distributor of medical products in every medical field

Im Gewerbegebiet 11  
D-66709 Weiskirchen  
Fon: +49 (0) 6876 9100-0  
Fax: +49 (0) 6876 9100-55  
www.pmt-weiskirchen.de  
info@pmt-weiskirchen.de
ZF technology – the intelligent choice. Because our new 8-speed hybrid transmission significantly improves fuel economy.

The new Audi Q5 Hybrid is the world’s first full hybrid vehicle to feature a rechargeable lithium-ion battery. With the 8-speed hybrid transmission from ZF, it can maintain a constant speed of 60 km/h for up to 3 km powered only by the electric motor, and achieve a maximum speed of 100 km/h without emissions. The hybrid design facilitates mid-range cycle consumption in the NEDC of 6.9 l/100 km or 159 g of carbon emissions per kilometer.
Industry-oriented research institutes
INM – Leibniz Institute for New Materials

INM – Leibniz Institute for New Materials, located in Saarbruecken/Germany, is an internationally leading centre for transdisciplinary materials research. It cooperates with national and international institutions and develops materials for industrial partners throughout the world.

Key topics

Four central topics of INM’s research and development activities are:

- new materials for energy applications
- new concepts for medical and implant surfaces
- new surfaces for tribological applications
- nano safety and nano security

Partner with INM for Materials based product development

From molecule to pilot production – INM is a strong partner for many fields of industry. INM offers its collaborators a wide range of technology transfer services:

- Contract research: sampling, feasibility studies, research and development projects
- Licensing of more than 90 assigned patent families
- Application centre dedicated to upscaling and pilot production
- Collaboration with start-up companies of INM for the production and commercialisation of new materials

Working in multidisciplinary teams

At INM, chemists, physicists, biologists, materials scientists and engineering scientists investigate and develop materials for today, tomorrow and beyond. Their joint work is targeted at new concepts of synthesis, structure, and function of materials. From molecule to pilot production, the researchers focus on three essential questions: Which material properties are new, how can they be characterised and what is needed for industrial and true-to-life applications in the future?
In the international world of science, DFKI is among the most important “Centres of Excellence” and, in terms of its number of employees and the amount of third-party funding, it is currently the world’s largest research centre in the field of artificial intelligence and its applications.

In 2012, the centre received funding in the amount of some 36 million EUR. DFKI projects address the entire spectrum of application-based research to the market and client-oriented development of product functions.

At the present time, more than 400 members of staff from approx. 60 countries are working on innovative software solutions focusing on Knowledge Management, Cyber-Physical Systems, Robotics Innovation Center, Innovative Retail Laboratory, Institute for Information Systems, Embedded Intelligence, Agents and Simulated Reality, Augmented Vision, Language Technology, Intelligent User Interfaces, Innovative Factory Systems.

The success: over 60 professors from the Research Centre’s own ranks and more than 60 spin-offs providing over 1,700 highly qualified jobs.

**Products/Services**

Development, customised design and implementation of innovative user solutions, transfer of technology from research findings, the development of components with artificial intelligence functionality to enhance the performance of complex software systems, Business Engineering: process analyses and development
Max-Planck-Institut für Informatik

Algorithms – The Basis of Computer Science

Modern information technology owes its upswing to the possibility of carrying out computations at an ever-increasing rate. However, the influence of parallelisations and processors with faster synchronisation is considerably lower than that which more efficient algorithms have. While the former can only bring about a linear increase in processing speed, substantial increases have been made possible by the inventive genius of computer scientists.

The Max Planck Institut for Informatics applies itself to the development and enhancement of algorithms in all of its focal areas of research. Through publications in top-class academic journals and the training of young academics, the institute ensures in sustained fashion that computations in the field of information technology will continue to become better, faster, more reliable and more comprehensive.

Research spectrum

- Basic research (algorithms and complexity, programming logic)
- Computer graphics
- Geometric computation
- Constraint solving
- Program verification
- Databases and information systems
- Bioinformatics and applied algorithmics
- Automation of logic
Software systems – backbone of the networked world

Today, computer systems are at the heart of all key processes in industry, science and administration, they pervade everyday life to an ever-increasing extent. The growing complexity of these systems will make it difficult to impossible for individuals to understand them directly.

The main focus of Max-Planck-Institut für Softwaresysteme lies on the scientific foundation of software systems. Our researchers develop new methods, technologies and tools in system-oriented fashion to enhance our possibilities in the design, analysis and operation of secure and reliable software systems. With our team of international scientists, we conduct research into the basic structures and connections of software systems in order to guarantee the trouble-free and unambiguous communication of systems.

Research spectrum

- Basic research into language design, analysis, modelling, introduction and evaluation of software systems
- Systems programming
- Comparison of decentralised and network systems as well as of embedded and autonomous systems
- Aspects of formal modelling, analysis, security and stability of state-of-the-art software engineering

Locations

- Kaiserslautern
- Saarbrücken

Year founded
2004

Number of employees
approx. 70

Managing Director
Prof. Rupak Majumdar

Contact
Dr. Bertram Somieski

Max-Planck-Institut für Softwaresysteme
Campus E1 5, D-66123 Saarbrücken
Phone: +49 (0)681 9303-9100
Fax: +49 (0)681 9303-6029
Mail: info@mpi-sws.org
www.mpi-sws.org
Six worldwide renowned research institutes for computer science, over 1,700 computer science students from 48 nations and over 500 scientists on the campus of Saarland University make Saarbrücken a place for computer science research that is unique in Europe.

The Competence Center Computer Science Saarland helps to convert this uniqueness into corporations, products, services and headlines. In this way, it promotes the region and advertises Saarbrücken as an attractive location for researchers, companies and students.

"After the re-approval of the Cluster of Excellence in 2012 and the previous academic expansion it is of great importance to closely link research with the economy to form stable, long-ranging structures supporting each other, comparable to the well-known situation in Silicon Valley in North America", explains Philipp Slusallek, spokesman for the Competence Center and professor of computer graphics at Saarland University.

In the field of technology transfer, the Competence Center Computer Science Saarland works together with regional and national institutions to enable the formation of companies and to transform research projects into industry products.

Furthermore, it communicates research results to political and business audiences as well as the general public. The Center promotes the federal state of Saarland on a national and international level as a region of modern information technology through fact-based and research-oriented reporting.

To attract new students to computer science in Saarbrücken and to increase the percentage of female students and researchers in the long term is another aim of the Competence Center Computer Science Saarland. The Competence Center works on the establishment of permanent support programmes for women, Ph.D. students and young academics.

To support doctors with innovative algorithms and software is one of the main research areas in Saarbrücken.

To attract young academics for exciting research projects and spin-offs, the Competence Center establishes special support programmes.

Saarbrücken computer scientists attract media representatives from around the world. Their requests are coordinated by the Competence Center.

"Competence Center Computer Science Saarland"
Campus E1, 7, D-66123 Saarbrücken
Phone: +49 (0)681 302-70150
Fax: +49 (0)681 302-70155
Mail: bolduan@informatik-saarland.de
IAI’s [Institute for Applied Information Sciences] mission is the transfer of linguistic research results into practical applications. Innovative language technologies provide error-free high quality texts and support in knowledge and information management.

Since its foundation in 1985, IAI has been committed to this mission and has gained an international reputation through its pioneering work in the field of automatic processing of written language. Today, IAI is well known for its software tools for spell and grammar checking, for the automatic indexation of text documents and their categorisation as well as for services involving language engineering processes. Such services range from terminology compilation to the development of a corporate language through intelligent tagging.

**Intelligent knowledge management**

AUTINDEX is an automatic indexation and classification tool for documents on the basis of sophisticated linguistic methods, which are supplemented by statistical processes. The range of products is completed by additional functionalities such as automatic document clustering, tag clouds for “fuzzy” search as well as other forms of information extraction.

**Language engineering services**

IAI also makes use of cutting-edge linguistic processes in the provision of its services, including terminology extraction, terminology evaluation, clean-up of translation memories and consultancy projects in the field of documentation. As a result, IAI provides top quality, which offers the greatest possible added value for the client.
The Fraunhofer-Institut für Biomedizinische Technik (IBMT) is one of the six institutes of the Fraunhofer-Group for Life Sciences whose main focus is on technological development.

The core activities of the institute include applications in medical diagnostics, therapy and therapy control as well as related issues in industry. Since its foundation in 1987, Fraunhofer IBMT has been a partner of industry. In addition to its traditional core fields of expertise in biomedical/medical engineering, molecular and cellular biotechnology, biohybrid technology, cryobiotechnology, nanobiotechnology, ultrasound technology, neural prosthetics, sensor/measuring technology as well as health telematics, Fraunhofer IBMT also applies itself to the fields of the future including stem cell research and autonomous deep-sea systems. It has also joined forces with local and national companies to work on “Labor der Zukunft” (Tomorrow’s Lab Technologies), an initiative funded by the Land Government of Saarland for the development of innovative laboratory technologies, mobile medical-analytical laboratories and the linking-up of equipment and entire laboratories.

Products/services

- Biomedical and medical engineering
- Molecular and cellular biotechnology
- Cell-free biotechnology
- Cryobiotechnology
- (Mobile) laboratory technologies
- Nanobiotechnology
- Ultrasound technology
- Autonomous deep-sea systems
- Microsystems engineering
- Biosensors/point-of-care diagnostics
- Neural prosthetics/biohybrid systems
- Sensor production engineering
- Health telematics

©Fraunhofer IBMT, Photos: Bernd Müller

Fraunhofer-Institut für Biomedizinische Technik (IBMT)
Ensheimer Strasse 48, D-66386 St. Ingbert
Phone: +49 (0)6894 980-0
Fax: +49 (0)6894 980-400
Mail: info@ibmt.fraunhofer.de
www.ibmt.fraunhofer.de

Year founded
1987

Number of employees
approx. 300

Institute Directors
Prof. Dr. Günter Rolf Fuhr
Prof. Dr. Heiko Zimmermann

Contact
Dipl.-Phys. Annette Eva Maurer

Certification
ISO 10993/EN 30993

Target groups/sectors
Medical engineering, pharmaceutical industry, biotechnology, cryotechnology, clinics, laboratory technology, environmental technology, food industry, process monitoring and automation engineering
Both as research institute and partner for industrial companies, the Fraunhofer Institute for Nondestructive Testing IZFP performs research and development related to the physical methods of nondestructive testing. The institute develops methods to characterise materials, to analyse production processes and procedures as well as operational risks, and develops market-driven test equipment and systems. Last but not least, the aforementioned developments can be validated in its ISO/IEC 17025:2005 accredited service centre (flexible accreditation), which allows their quality assured industrial application.

Targeting the aspects of safety and availability, the application-oriented developments of the Fraunhofer IZFP, which are well suited for industrial purposes, help to improve product quality while reducing quality/production costs. Another focal point is the nondestructive inspection of constructions: structural health monitoring and condition assessment of infrastructure, buildings, roads, bridges and other structures made of reinforced and prestressed concrete are becoming increasingly important.

Our testing laboratory has the expertise to qualify and to validate development results of the Institute for the industrial application.

In collaboration with Fraunhofer Innovation Cluster Automotive Quality Saar AQS, located at the service centre, IZFP offers innovative NDT solutions for quality control of materials and components from a single source to the automotive industry. These solutions can be developed further as required by industry. We focus on the material and quality-intensive automotive main modules and on developments for the efficient use of materials and smooth production processes. Apart from the technology qualification of newly developed NDT methods according to international standards, part-time certificate courses for the qualification of technical experts and managers are offered at the Education Centre at Fraunhofer AQS.
Resistance to antibiotics has become one of the major global challenges regarding infectious diseases. This is specifically the issue that is being tackled by the new Helmholtz-Institute for Pharmaceutical Research Saarland (HIPS).

The institute was founded in August 2009 on the Saarbrücken campus jointly by the Helmholtz Centre for Infection Research (HZI) in Braunschweig and Saarland University, with the goal to contribute to the development of new pharmaceuticals and therapies against infectious diseases. The scientists at HIPS search for new drugs and improve their application to humans. Furthermore, they explore the delivery path of the drug to its target.

The range of scientific activities at HIPS comprises genetic and genome-analytical methods for optimising natural product producers and lead compounds as well as methodologies to improve the transportation of pharmaceutical agents to their target. The combination of the knowledge on infectious diseases and the pharmaceutical research of HZI and HIPS occupies a unique position in Germany and Europe, especially regarding the development of anti-infectives. The complementary expertise allows concerted and synchronous approaches to the discovery and mining of novel producers of potential drugs, their rational improvement and bioprofiling, as well as their optimal formulation. This greatly enhances the chance of identifying and utilising novel natural products, and accelerates their advancement to clinical studies. The combined research activities and experience of the scientists at HIPS, HZI and further regional cooperation institutes in drug development allow for complete coverage in drug development ranging from drug discovery to clinical phase IIa studies. A successful implementation of translational research is thus achieved.
The focus of the research is on the preparation of scientific concepts and expertises for the development of energy systems of the future and holistic resource utilisation strategies.

The company offers its support and guidance and performs tasks in the initiation, conceptual design and implementation of innovative measures for the rational utilisation of energy and for the promotion and use of renewable energies as part of the transition of the energy system.

**Applied research and development**

Application and practice-oriented research is conducted in interdisciplinary teams in the spheres of energy markets and material flow management. The research groups Technical Innovations, Social-Scientific Energy Research, Sustainable Space and Applied Solar Technology broaden the spectrum of the activities of the institute and, in addition, play an important role in supporting and accompanying the research in the areas of work.

The company can take advantage of the innovative systems available in its own testing and demonstration facilities. On the one hand, these facilities enable a selected range of analytical and quality tests to be carried out, and, on the other, they allow for innovative technological and process developments. The Testzentrum Saarbrücken provides, among other things, a test station for thermal solar power systems accredited in accordance with the standard ISO/IEC 17025.

In addition to the initiation and scientific guidance regarding cooperation projects in Germany and neighbouring European countries, IZES gGmbH also realises large-scale projects with an international focus for municipalities, authorities, ministries, national and European funding agencies, private sector companies as well as academic and scientific institutes.
KIST Europe is a Korean research institute established as a German corporation in 1996. Our institute pursues three main objectives which are:

- to improve the expertise of Korea in the field of science and technology by conducting research activities in Europe,
- to gain a key position for international technology exchange and joint research with Germany, the Eastern Bloc, and Europe as a whole,
- to support the technology development activities of Korean companies for their overseas expansion into Europe.

In order to achieve these objectives, KIST Europe has actively performed various research and service activities so far, such as the development of environmental technology, research into interdisciplinary biotechnology, the execution of industrial projects for other companies and the FP7 Project led by the EU etc..

**Looking ahead**

In the future, we will especially strengthen the mutual support for universities, research institutes, and companies from Korea and Europe to make it easier for them to come here and perform joint research projects and international cooperation activities themselves. In addition, we will pay special attention to green technology and energy concepts.

Are you interested in advancing into Korea or Europe? You can find the way with KIST Europe. The institute is always open and ready to help you and to answer your questions. Please don’t hesitate to contact us anytime.

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**KIST Europe Forschungsgesellschaft mbH**
Campus E 71, D-66123 Saarbrücken
Phone: +49 (0)681 9382-0
Fax: +49 (0)681 9382-109
Mail: info@kist-europe.de
www.kist-europe.de

**Year founded**
1996

**Number of employees**
> 60

**Director**
Prof. Dr. Ho Seong Lee

**Contact**
Dr. Tae Kun Kim

**Target groups/sectors**
Research & Development
Located in Saarbrücken, Germany, the „Zentrum für Mechatronik und Automatisierungstechnik“ (Centre for Mechatronics and Automation), ZeMA gGmbH, is a publicly and industrially funded research centre focusing on mechatronics and automation. The research encompasses product development, manufacturing and assembly processes as well as production research.

The centre works in close cooperation with its associates from Saarland University, Saarland University of Applied Sciences and the State of Saarland. ZeMA is active in the following areas:

**Sensors and actuators**
Sensor and actuator research includes sensor development based on thin-film technologies, microsensing and the research of sensor and actuator principles based on smart materials. The objectives are the development of mechatronic components and their integration in innovative products for the industrial and research sector.

**Manufacturing processes and automation**
The main areas of research in manufacturing processes and automation are non-conventional machining methods, plastics-metal hybrid technologies, coating procedures and machining process development. The objective is to develop mechatronic products and additionally to provide the appropriate manufacturing processes as well as manufacturing equipment.

**Assembly processes and automation**
The main competences of this research area are transformable assembly systems. Currently the research focuses at semi-automated and fully automated assembly systems for the assembly of mechatronical products, e.g. for automobile production and large components in the wind power and aerospace sector. The adaptability as well as the scalability and reconfigurability of the assembly systems are the basics to economically produce a high variety and small batch sizes at the same time.

In addition to the research areas above, ZeMA also aims to support and train new and current engineers. ZeMA is equipped with laboratories, workshops, conference rooms and other outstanding research facilities.

ZeMA – Zentrum für Mechatronik und Automatisierungstechnik gGmbH
Gewerbepark Eschberger Weg, Geb. 9
D-66121 Saarbrücken
Phone: +49 (0)681 85787-15
Fax: +49 (0)681 85787-11
Mail: rainer.mueller@mechatronikzentrum.de
www.mechatronikzentrum.de
Automation engineering
Production engineering
Electronics
Electrical engineering
Transport technology
Materials handling technology
Mechatronics
ATEB GmbH

ATEB GmbH is an innovative company operating in the field of special-purpose machine construction/automation technology, which has set itself the goal of achieving customer satisfaction by means of flexibility, adherence to delivery dates and quality. Consultancy, service and analysis of customer requirements serve as the basis for the successful handling and execution of the projects.

With its own design, engineering, hardware and software team, ATEB offers solutions for a wide and sophisticated range of products in the areas of installation and testing facilities as well as machine tools.

**Products and services**

- Design, engineering and construction of special machines made to customer specifications
- Overhaul, modification and repair of machine tools
- Measurement and test engineering, also using industrial image processing
- Hardware planning of electro-technical controls
- Development of customised software in the field of programmable logic controllers (Siemens, Bosch, etc.)
- Project scheduling and programming of CNC controls (Siemens, Bosch)
- Construction of control cabinets
- On-site machine installations
- Preparation of documentation on circuit diagrams on the CAE system EPLAN
- Commissioning and repair of machines and systems in Germany and overseas

**ATEB GmbH**
Vogelbacher Weg 119, D-66424 Homburg
Phone: +49 (0)6841 993002-0
Fax: +49 (0)6841 993002-9
Mail: g.erfurt@ateb.de
www.ateb.de

**Year founded**
1999

**Number of employees**
10

**Director/CEO**
Gunter Erfurt

**Contact**
Gunter Erfurt

**Certification**
DIN EN ISO 9000:2008

**Target groups/sectors**
Mechanical engineering companies, component suppliers to the automotive industry
ATEGA Automatisierungstechnik GmbH was founded in 1997 and offers a full range of assembly and testing equipment.

Since 2000, ATEGA has been located on its own premises in St. Ingbert.

The ATEGA Team is composed of technicians and engineers with many years of experience in electrical and automation engineering.

The main focus is on electro-technical project scheduling, the construction of electric cabinets, the programming of PCs and PLCs and assembly technology. The primary objective is to deliver complete solutions to the customer.

Products and Services
- Measuring and testing systems
- Process-monitored assembly technology
- Control engineering
- Digital image processing
- Screwdriving technology

Year founded
1997

Number of employees
10

Director
Bernd Meyer

Certification
ISO 9001:2008

Target groups/sectors
Industry, manufacturing, Quality assurance

ATEGA Automatisierungstechnik GmbH
Am Schindwasen 8, D-66386 St. Ingbert
Phone: +49 (0)6894 38764-0
Fax: +49 (0)6894 38764-25
Mail: info@atega.de
www.atega.de
Hager Group

Hager Group is a leading supplier of solutions and services for electrical installations in residential, commercial and industrial buildings.

For the development and production of these solutions, Hager Group relies on a portfolio of proven specialists. The Hager brand, with products ranging from energy distribution through cable management and wiring accessories to building automation and security systems, represents the core business of the company. Other brands are Berker, Daitem, Diagral, Efen and Elcom. This allows the group to combine all the skills necessary for the development of innovative products, systems and services required for building automation.

Together with the customers from industry and the electrical trade, Hager Group is working on future topics such as electro-mobility, Ambient Assisted Living, where building automation facilitates the everyday life of the elderly and individuals who require care, and on the networking of energy-efficient housing, which will provide greater comfort while requiring less energy consumption. The link between many of these technologies will be building automation and hence the product with which the company has achieved its growth.

Hager Group was founded in 1955 by Hermann Hager and Dr. Oswald Hager together with their father Peter and today remains an independent, family-owned business, with its head office in Blieskastel. The organisation of the company as a European Company (Societas Europaea, SE) underscores both its cultural diversity and its European roots.

Hager Group is, though, a worldwide business venture: components and solutions are produced in 20 production sites around the globe and customers in more than 80 countries all over the world trust in them.

Year founded
1955

Number of employees
11,400

Volume of sales
1.6 billion euros (2012)

Board of Management
Daniel Hager (CEO)
Bertrand Schmitt (COO)
Philippe Ferragu (CGRO)

Contact
Harald Börsch
(Director Corporate Communications)

Target groups/sectors
Electrical industry, building automation, energy, e-mobility
KORAMIS GmbH

KORAMIS plans and builds automation systems for the process engineering industry. KORAMIS also provides protection in the field of cyber security. Key industries include critical infrastructures within the utility industry. KORAMIS controls the four necessary pillars:
- Process automation
- DCS
- Industrial IT security
- Software development

Expertise in industrial IT security

KORAMIS implements, controls and monitors industrial IT security processes and trains technicians in their use. Within the German-speaking market Koramis is a leading provider of solutions and maintains successful partnerships with reputable American companies and German manufacturers. The broad range of skills of the company in industrial IT enables it to take a holistic view of the security requirements for technical processes in plants. The areas of expertise range from vulnerability analyses and special industrial IT protective devices through to compliance and support. KORAMIS is actively involved in national and state-specific committees that create, publish and approve the relevant rules, standards and recommendations.

Industrial Security: Monitor – Manage – Protect

Individual: The solutions are customised and implemented with regard to individual company requirements and processes.
Flexible: The modular solution components (risk analysis, introduction, auditing) can be implemented independently from each other.
Simple: The complete system is operated and analysed from the management console.

Products/services
- Industrial IT security service
- Consulting and business analysis
- Process and system integration
- Process control engineering/DCS
- CAE/D development & customising
- High-performance system cabinets
- IT services/HW & SW tools

KORAMIS GmbH
Europaallee 5, D-66113 Saarbrücken
Phone: +49 (0)681 968191-0
Fax: +49 (0)681 968191-900
Mail: info@koramis.de
www.koramis.de

Year founded
1999

Number of employees
30

Directors
Hans-Peter Fichtner
Michael Krammel

Contact
Michael Krammel
Peter Groener

Certification
Diverse group standards

Target groups/sectors
- Process automation
- Industrial IT security
- Intelligent CAx applications in power generation and distribution plants, chemical, pharmaceutical, food and automotive industries
A. Müller GmbH

30 years of experience and expertise in battery trade and battery service

The name A. Müller GmbH with company headquarters in Saarland, Germany, stands for almost 30 years of know-how, quality and service in the area of industrial batteries and battery chargers.

28 employees, comprising in-house service and field service staff are available for customers, in emergencies also around the clock. Repair and servicing work is carried out in the especially equipped workshop.

The fleet of vehicles includes fully equipped service vehicles as well as several trucks with dangerous goods equipment.

A. Müller GmbH is certified as a disposal company for old batteries, while the certification in compliance with the German Institute for Standardisation ISO 9001:2008 is always up to date.

Formerly specialised in traction batteries for electric forklifts, the focus of the company now lies in the distribution of block batteries for various applications, e.g. golf carts, work platforms, floor machines, solar energy storage, boats or campers.

As the main importer of the brands TROJAN Battery Company, OPTIMA Batteries, VARTA, Fullriver as well as other brands approx. 70,000 traction block batteries are turned over per year.

The latest products are lithium ion batteries for various traction purposes as well as the storage of solar energy.

A. Müller GmbH displays its products at many fairs in Germany, e.g. Intersolar Munich, RehaCare Dusseldorf, CMS Berlin, Caravan Salon Dusseldorf, CEMAT Hannover, Platformers Days Hohenroda, BOOT Dusseldorf.

Also at European fairs as, for example, Interclean Amsterdam or Pulire Verona you can find a representative of A. Müller at the stands of above-mentioned battery manufacturers.

A. Müller GmbH
Tholeyerstraße 32, D-66620 Primstal
Phone: +49 (0)6875 9107-0
Fax: +49 (0)6875 9107-29
Mail: info@batterien-mueller.de
www.batterien-mueller.de

Year founded
2003

Number of employees
28

Director
Erik Mueller

Contact
Volker Fries

Certification
Quality Management DIN 9001:2008

Target groups/sectors
Industry
RRC power solutions, founded in 1989, is a leading company for high quality power supplies, battery charging technology, rechargeable battery packs, integrated system solutions and wireless power solutions for mobile and professional applications.

RRC develops, produces and delivers its electronic assemblies and products to leading original equipment manufacturers (OEMs) of notebooks, measuring instruments, medical devices, and military communication systems worldwide. OEMs integrate RRC’s solutions into their own devices or sell them as accessories. RRC is a popular choice for the industry thanks to its trendsetting technology.

The company and its R&D centre are based in Homburg/Saar. Branch offices are located in Los Angeles, Melbourne, Hong Kong, Shenzhen as well as representative offices worldwide.

RRC utilises technology to drive new ideas, products and developments. Its research and development department is the basis for technological leadership.

RRC received their most recent innovation awards for their developments in the field of inductive energy transmission. The engineers at RRC have managed to transmit power through the air with the efficiency of a wired system, and with the power to charge, for example, an e-bike wirelessly at a charging station. This intelligent energy solution is an innovation that stands for sustainability, combined with the possibility of the realisation of yet unprecedented applications.

**Product portfolio**

- AC/DC converter
- DC/DC converter
- Battery chargers (1-bay and multibay)
- Battery packs
- Car adapters
- Embedded power solutions
- Wireless power and data transmission

**Year founded**
1989

**Number of employees**
100

**Directors**
Gerhard Ruffing
Markus Ruth

**Certification**
DIN EN ISO 9001:2008
DIN EN ISO 13485:2007 (manufacturer of medical devices)

**Target groups/sectors**
Medical, military, industry, consumer, IT

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RRC power solutions GmbH
Technologiepark 1, D-66424 Homburg/Saar
Phone: +49 (0)6841 9809-0
Fax: +49 (0)6841 9809-280
Mail: sales@rrc-ps.de
www.rrc-ps.com
www.rrc-wireless-power.com
For safe journeys on mega vessels

An explosion in the propulsion engine on board a container ship or a tanker, not to mention a cruise ship, is an extremely dangerous event which can easily result in a catastrophe. The safest option of preventing this hazard is to detect the formation of explosive oil mist created within an engine’s crank drive at the earliest possible time to allow time for appropriate countermeasures.

Schaller Automation in Blieskastel have made it their objective to provide the relevant protection systems and to continuously improve them in close cooperation with classification companies, research facilities, engine manufacturers and buyers. The success the company has had for decades proves that this goal has been achieved. Schaller Automation is a pioneer in perfected oil mist detection as a system for protecting diesel, gas and dual fuel engines against oil mist explosions, and has been regarded as a global market leader within this market segment for years. This year, the company is celebrating the 50,000th large engine protected by Schaller systems.

The company is now under second-generation management by Dipl.-Kfm. Stephan Schaller. It employs around 75 people at the headquarters in Blieskastel and its subsidiaries in China, Singapore and the USA. The global presence is supplemented by another 32 service partners.

Other technologies for total monitoring of large piston engines are currently being developed to further expand the position of the company on the global market. The future has only just begun for Schaller Automotive.
The company was founded in 1997 and the name was changed to Sonderbau Kabeltechnik GmbH in 1999. The basic idea was to build a flexible cable assembly – including one-day delivery and single unit production – in combination with the distribution of electronic components and cables.

The highly motivated and qualified team of engineers, technical experts, office workers and production employees currently consists of 90 employees. In order to satisfy their customers’ requests and requirements, the company makes use of cutting-edge machinery with which it is not only able to meet the highest quality requirements, but also to realise efficient production in multi-shift operations.

Together with its customers Sonderbau Kabeltechnik GmbH develops partnership product solutions, thereby enabling even complex tasks to be mastered efficiently and successfully. Of course, the company is certified according to ISO 9001:2008 and also in compliance with the automotive standard ISO/TS 16949.

Services
- crimp techniques
- bandaging/wrapping
- soldering
- resistance welding/ultrasonic welding
- insulation displacement technology
- foil splice
- trade
- potting and overmoulding
- development of prototypes to series
- CAD design tool

Year founded
1997

Number of employees
90

Directors
Klaus Simmet, Monika Klever

Certification

Target groups/sectors
Automotive industry
industrial cable production

Sonderbau Kabeltechnik GmbH
Ludwigshöhe 4, D-66280 Sulzbach
Phone: +49 (0)6897 999907-0
Fax: +49 (0)6897 999907-17
Mail: info@sonderbau.eu
www.sonderbau.eu
Automotive
DKT Thielgen GmbH

DKT has been developing and manufacturing jigs, tools and gauges for reputable automotive suppliers for 25 years. Situated in the heart of Saarland, our company employs some 40 qualified members of staff in the fields of engineering, manufacturing and assembly.

Both the CAD/CAM systems and the machine park are always state of the art. One area of expertise of DKT concerns the production of welding jigs for application in semi- or fully-automated robotic welding systems. Other services and tasks performed by the company include tool making and gauge construction, customised solutions as well as commission orders.

As a partner with an outstanding degree of know-how, DKT offers its support and assistance to its customers in finding solutions tailored to meet individual requirements.

**Selected equipment from our machine park**

- 7-axis CNC lathe and milling centre
- 5-axis CNC milling centres
- CNC wire cutting machine
- CNC water jet cutting system
- CNC lathe
- Surface grinding machine
- Trial tool press 4,000 kN
- CNC 3D measuring machine

**Machinery and equipment**

- CAD systems, 3D and 2D
- CAM systems for 3, 5, and 7-axis machining
- Order-related production data acquisition

DKT Thielgen GmbH
Dillinger Straße 39, D-66822 Lebach
Phone: +49 (0)6881 9209-0
Fax: +49 (0)6881 9209-19
Mail: mailpost@brd-dkt.de
www.brd-dkt.de

**Year founded**
1986

**Number of employees**
40

**Director**
Detlef Thielgen

**Contact**
Detmar Zosel (Prokurist – with general commercial power of attorney)

**Certification**
DIN EN ISO 9001:2008

**Target groups/sectors**
Automobile manufacturers and component suppliers
As a part of the Dürr business domain Balancing and Assembly Products, Dürr Assembly Products GmbH supplies products, systems and constructions for ambitious assembly and testing tasks for the final assembly in the automotive industry.

These systems are developed and manufactured by engineers and experts in Püttlingen. Here the focus is on high-precision systems in the area of assembly and test engineering. The product portfolio comprises the pre-assembly of modules, e.g. front and rear axles, the challenging adjustment of the axles and the highly complex process in vehicle assembly, the so-called “marriage”. Here the drive module, chassis and bodywork are precisely joined together and secured.

Modern vehicles possess numerous mechatronic systems, such as drive systems, brake systems, chassis, headlamps and driver assistance systems. Dürr Assembly Products has developed and successfully marketed innovative technologies for the adjustment and inspection of these security-relevant systems.

Dürr Assembly Products is committed to environmental awareness and the effective use of resources. Through precise adjustment of the wheel geometry, fuel consumption and tyre abrasion of cars and trucks can be significantly reduced.

As a result of its worldwide presence and continual further developments, Dürr Assembly Products is regarded as the technological leader in all major automotive markets, such as, for example Europe, USA and Asia.

**Year founded**
1972

**Number of employees**
300 in Püttlingen, 400 worldwide

**Managing Director**
Horst Hartmann

**Contact**
Markus Klär (Account/ Area Sales Management)

**Certification**
ISO 9001, VDA 6.4, ISO 14001
Accreditation of the in-house test lab as per ISO/IEC 17025
Quality awards from Ford, Daimler, Volvo
Nedschroef Fraulautern GmbH

Nedschroef – One step ahead

The Nedschroef Group is the leading supplier of fasteners for the automotive industry in Europe. The Group has been developing, manufacturing and selling joining elements and special parts for the automotive industry for over 100 years. The Nedschroef Group currently has 1,600 members of staff at over 24 locations in 13 countries.

The two plants in Saarlouis-Fraulautern and Berlin-Reinickendorf belong to Nedschroef Fraulautern GmbH. In 2012, 320 employees, 260 of whom work at the plant in Saarlouis, produced over 25,000 tons of screws.

As a company once purely involved in the manufacture of screws, Nedschroef Fraulautern GmbH has increasingly become a development partner: Long before the first vehicle of a new series rolls off the production line, the application engineers of Nedschroef Fraulautern GmbH join forces with the specialists of the automobile manufacturers to come up with solutions to enable screws to be manufactured using fewer materials, which can withstand greater loads and, at the same time, are ideal for industrial manufacturing purposes.

Owing to the incorporation of the plant in Fraulautern into the Nedschroef Group in 1990, the company is today one of the European market leaders for screws and studs from M5 to M12 made from steel and aluminium and for studs.

Nedschroef Fraulautern GmbH
Klosterstraße 13, D-66740 Saarlouis
Phone: +49 (0)6831 898218
www.nedschroef.com
Nemak Dillingen GmbH is a worldwide leader in foundry technology for lightweight design engine blocks.

With the available capacities the company is able to produce some 2.3 million cast parts per year for the automotive industry using environmentally-friendly recycled aluminium in an innovative core package process.

The products are supplied exclusively to the automotive industry. The main customers of Nemak Dillingen are Audi, BMW, Daimler, Ford and GM/Opel.

In 2012 Nemak invested in another production line at the Dillingen site. The new line is designed to produce 4-cylinder engines. The work carried out by the in-house development department allows the large-scale serial production of light-weight high performance diesel blocks with coatable cylinder bore.

Nemak is the world’s largest developer and manufacturer of high-tech aluminium engine blocks, cylinder heads and transmission parts to satisfy the needs of leading automotive manufacturers worldwide.

**Products**
- Aluminium engine blocks
  - for petrol and diesel engines

Nemak Dillingen is committed to the on-going training and development of its employees. Since highly qualified employees contribute to the success of Nemak Dillingen, vocational apprenticeships in different professions and dual study programmes are offered at the Dillingen site every year. Therefore Nemak Dillingen is permanently seeking engineers – particularly graduates of foundry science, materials science, materials engineering, automation technology, process engineering, mechanical engineering, development and design engineering and industrial engineers.

**Year founded**
1992

**Number of employees**
1,023

**Director**
Dr. Klaus Lellig

**Contact**
Dr. Lukas Meiser

**Certification**

**Target groups/sectors**
- Automotive industry
SAS Autosystemtechnik GmbH & Co. KG

SAS Automotive Systems was founded in 1996 and is a joint venture between Continental and the French company Faurecia. Based in Karlsruhe, the company operates on the global market and has become specialised in the assembly and development of cockpit modules for vehicle interiors and is commissioned by automobile manufacturers such as Ford Group, BMW and Daimler-Chrysler.

SAS is represented in 15 countries in Europe, North, Central and South America and operates a total of 20 production facilities. The company produces 4,950,000 cockpits worldwide, has approx. 4,000 members of staff and achieves a turnover of 3.5 billion EUR.

At SAS Automotive Saarlouis some 1,600 vehicles of the latest Focus model are assembled

The company is responsible for the assembly and logistics of the cockpits as well as the associated sub-components. Cockpits are assembled round the clock on an assembly line.

In addition to these activities, SAS Automotive Saarlouis also ensures that all Ford plants across the globe are supplied with cockpit components sourced by SAS Automotive.

There are 16 plants (Ford and other cockpit suppliers) to be supplied in Europe, Asia, Africa and Australia.
VOIT HOLDING GmbH & Co. KG

VOIT, a system supplier to the automotive industry operating on the international market, has six production sites worldwide and is among the 20 largest employers in Saarland. The VOIT Group comprises WILLY VOIT, VOIT HOLDING, VOIT POLSKA, VOIT MEXICO, BTI Bearbeitungstechnologie, VOIT-TEC and VOIT TPH – Technology for Press Hardening.

The technology company with a family tradition develops and manufactures high-precision, customised pressure die-cast parts made from aluminium with ready-machined functional surfaces and finished casting as well as modules and components using stamping, drawing, roll-bending and hot forming technologies.

In addition to the supply of parts, VOIT also offers complete, one-stop solutions: From engineering to tool making, casting, stamping, hot forming and surface machining right through to logistics. As a leading technology company, a development partner for production processes and a reliable manufacturer, VOIT provides sought-after services in future markets such as Light Weight Design, Comfort & Safety, Efficiency and Powertrain.

Over 65% of the world’s leading automobile manufacturers place their trust in VOIT. Technology from Saarland can be found in more than 250 passenger car models of 45 well-known car brands. Each year, VOIT delivers some 140 million parts to Audi, BMW, Mercedes, VW, Ford, Opel, Jaguar, Landrover and many other manufacturers to be integrated into functional parts such as the engine, fuel supply system, powertrain, exhaust system, chassis and car body.

Reputable corporate groups such as ZF, Chrysler, Bosch, Brose, Continental, AMK, Valeo and Behr are among the company’s international clients. VOIT takes advantage of its innovative strength, reliability, expertise and flexibility to assist automobile manufacturers and their suppliers in optimising manufacturing resources and improving the quality of their end products in a cost-effective manner.
VOWEMA GmbH

The tasks at VOWEMA are performed by a team comprising 50 highly-qualified specialists, who are able to draw on the experience gained during the past 30 years of operations.

Their area of expertise lies in the production of tools, jigs, testing gauges and machines made to specification as well as the production of wear and spare parts for machines.

The staff, who continually undergo further vocational training, can take advantage of state-of-the-art CNC machines and have an array of testing and measuring machines at their disposal. Particularly when it comes to the manufacture of special purpose machines, jigs and wear and spare parts, know-how and many years of experience are vital.

The design engineering of the entire product range of the company is a further core area of activity.

TÜV SAAR CERT – The road to quality consists of many steps. Optimal organisation and consistent quality form a sound basis for successful quality management. Roles, responsibilities and processes in all areas of the company are defined in this manner.

Internal audits and training courses as well as the annual audit conducted by TÜV SAAR CERT attest to our outstanding quality and reliability (DIN EN ISO 9001:2008).

Result: The continual development and improvement of the organisation of the company.

VOWEMA is rated as an A Supplier among all of its clients.

In recognition of its excellence and outstanding performance, the Bosch Group awarded VOWEMA the status: Preferred Supplier 2011 in the material group tools.

VOWEMA GmbH
Im Langental 11, D-66539 Neunkirchen-Wellesweiler
Phone: +49 (0)6821 9402-0
Fax: +49 (0)6821 9402-22
Mail: info@vowema.de
www.vowema.de

Year founded
1982

Number of employees
50

Directors
Bernhard Düppre
Jürgen Müller
Uwe Schonard

Contacts
Bernhard Düppre
Jürgen Müller
Uwe Schonard

Certification
DIN EN ISO 9001:2008

Target groups/sectors
Component suppliers to the automotive industry
Medical engineering
Carl Zeiss Fixture Systems (formerly Junker & Partner GmbH) is a globally successful engineering and manufacturing partner for sophisticated measurement technology for the automobile and aircraft industry.

As a subsidiary of Carl Zeiss Industrielle Messtechnik GmbH, this company is in a position to offer optimum checking fixtures for quality assurance to clients around the world.

The customer-oriented complete solutions offered by the company include consultancy, planning, design, manufacturing, assembly and installation on the client’s premises, documentation and training.

Carl Zeiss Fixture Systems is active in more than 30 countries and has its own production facilities in China and the USA. More than 100 employees work at the headquarters in Tholey.

**Range of services**
- Engineering and CAD
- Inspection fixtures and matching equipment for quality assurance
- CARFIT® standard measuring fixture system
- Pallet loading systems for coordinate measuring systems

**Locations**
- Germany
- USA
- China

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**Year founded**
1995

**Number of employees**
110

**Directors**
Alfred Huber
Franz-Rudolf Junker

**Contact**
Alfred Huber

**Certification**
9001

**Target groups/sectors**
Automobile industry and aircraft industry

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**Carl Zeiss Fixture Systems GmbH**
Auf Rodert 6, D-66636 Tholey
Phone:  +49 (0)6853 5012-0
Fax:  +49 (0)6853 5012-31
www.zeiss.com/fixturing
ZF Friedrichshafen AG

In the Car Powertrain Technology division, ZF pools its activities for passenger car driveline technology. Included in this context: development, production, and sale of transmissions, axle drives, traction modules, driveline components, as well as light-metal die-cast components. The transmission portfolio comprises automatic transmissions, manual transmissions, dual clutch transmissions, and hybrid transmissions. The scope of supply for axle drives covers all applications for front and rear axle drive units in passenger cars and off-road vehicles. The Powertrain Modules business unit is in charge of the active starting elements, passive starting elements, and electric starting elements (hybrid modules). The product portfolio is completed by light-alloy die-cast components, i.e. transmission housings, control components, as well as transmission inner components, for which the Die Casting Technology business unit is responsible. At the Saarbrücken (Germany) parent plant, 1.9 million automatic transmissions were manufactured in the year under review – 500,000 transmissions more than in the prior year. Approximately 18,000 employees work in the division at 22 locations worldwide.

Prospects

Despite the general downward economic trend in the automotive industry, the Car Powertrain Technology division is projecting further growth of approximately 19% for 2013. This is mainly based on additional applications of the successfully launched 8-speed automatic transmissions and the volume production start of the 9-speed automatic transmissions for front-wheel drive vehicles.

ZF is a global leader in Driveline and Chassis Technology with 121 production companies in 26 countries. In 2012, the Group achieved a sales figure of about EUR 17.4 billion with approximately 75,000 employees. In order to continue to be successful with innovative products, ZF annually invests about five per cent of its sales (2012: EUR 861 million) in research and development. ZF is among the top ten companies on the ranking list of the largest automotive suppliers worldwide.
Construction engineering
Building materials
Construction industry
Engineering services
Seven divisions in one – G+H Isolierung

Customized solutions and highest quality are the hallmarks of our products and services. Customers also benefit from our global network and the wealth of experience we have built up over the decades.

G+H Isolierung is one of the market leaders in heat/cold insulation, fire prevention and noise control. We specialize in power plants, chemical and plant engineering, facade technology, ship outfitting and power plant air-conditioning/ventilation. We are there wherever you need us. The Group’s nationwide network comprises more than 30 branches across Germany plus subsidiaries in the Benelux countries and Eastern Europe. As a company of VINCI Energies Deutschland, which is owned by VINCI S.A. – one of the world’s biggest construction groups – G+H Isolierung is also a global player. We apply our core skills in a wide range of areas. Our expertise is one of the pillars of our success. The headquarters of G+H Isolierung in Ludwigshafen was established as far back as 1878. Today, the Group comprises seven divisions:

- Insulation, Noise control, Fire protection, Facade technology, Power plant air-conditioning/ventilation, Metal and stainless steel technology, Ship outfitting

We tailor our products and services to the precise requirements of our customers. These include:

- Consulting, Planning, Installation and assembly, Maintenance and repair, Renovation work

We pride ourselves on our high quality, cost-effectiveness and innovations. Research and development play a key role in our activities. And we make sure that our innovations are put into practice as quickly as possible. Our products and services are regularly certified to DIN EN ISO 9001, KTA 1401 and the RAL “ Brandschutz im Ausbau” quality seal.
As a medium-sized family business with around 950 employees, we can offer you reliability and expertise acquired over four generations of an experienced, medium-sized construction business combined with the flexibility and innovation of a dynamic and modern construction company.

Our wide range of services includes all fields of building and underground construction and is supported by comprehensive production and building materials activities. As a specialist in every field and an efficient, integrated network, we are fully equipped to meet any challenge the construction world has to offer.

With our branches, subsidiaries and associated companies, we are rooted in the South West of Germany and always close to our customers across the country by means of our construction projects.

Our motivated employees strive to reach common goals fairly and dependably with our partners. Continuous training and the willingness to adopt the most up-to-date technology and business developments have ensured our place among the most competitive and productive construction companies for over 125 years.

Services

- **Building construction**
  Civil engineering, prefabricated components, industrial construction, turnkey construction, general contractors, bridge construction

- **Underground construction**
  Road and asphalt construction, sewer construction and earthwork, pipeline construction, rail construction

- **Building, raw and recycled materials**
  Concrete, asphalt, mastic asphalt, dolomite quarrying, landfill, recycling, demolition work

Peter Gross Bau Holding GmbH
Dudweilerstraße 80, D-66386 St. Ingbert
Phone: +49 (0)6894 15-0
Fax: +49 (0)6894 15-219
Mail: info@gross-bau.de
www.gross-bau.de
WPW INGENIEURE GmbH

Holistic way of thinking right from the start

The multidisciplinary and diversified WPW Group has been a successful service provider in the construction and real estate industry for decades.

Today, building is a complex task which only can be managed if every party involved in construction works closely and constructively with each other with simultaneous consideration of holistic ways of thinking and operating. The companies of the WPW Group are optimally qualified to cope with these challenges and are at their customers’ disposal as consultants, planners or project managers in various constellations.

Blue buildings as a new quality of construction

Also against the background of the current re-intensification of discussions on climate change, there is a radical change of structure under way in the construction and real estate industry. In future not only energy efficiency will be an essential topic but also sustainability in a holistic manner, green buildings will become blue buildings. WPW partners Dr. Werner Backes, Dr. Gernot Heit and Volker Eisenbeis agree: “Blue will become the new green in building”.

Sustainable building as a mega trend in the construction and real estate industry will continue to gaining significance, blue or sustainable building will become the new quality of construction. The user and thus the human being, its health and comfort is taking centre stage.

Additionally, economic and ecological aspects such as life cycle as well as technical productivity and the considerate exploitation of resources are taken into account. For a long time now, WPW has been focusing on dealing with these trendsetting issues and is among those few companies permitted to certify buildings accordingly.

Year founded
1947

Number of employees
170

Directors
Dr.-Ing. Werner Backes
Dr.-Ing. Gernot Heit
Dipl.-Ing. Architekt Volker Eisenbeis
Christian Lehnfeld

Contact
Dr.-Ing. Werner Backes

Target groups/sectors
Contracting authorities such as Federal Government, regional governments, local authorities, municipal organisations, private clients of all industries

WPW INGENIEURE GmbH
Hochstraße 61, D-66115 Saarbrücken
Phone: +49 (0)681 9920-0
Fax: +49 (0)681 9920-119
Mail: w.backes@wpw.de
www.wpw.de
Energy technology
Air conditioning
Ventilation
Refrigeration engineering
BECKER Reinraumtechnik GmbH

BECKER Reinraumtechnik offers turnkey clean rooms from one single source: from the planning stage and implementation to 24-hour full services, customers can always rely on the same partner.

The advantages are clear:
- Individual customer solutions based on long-standing expertise within the sector
- The shortest possible construction times through interface reduction
- Full budget and cost controls possible at all times
- Assumption of full responsibility by a single provider

Area of focus within the sector:
- Medical technology
- Pharmaceutical and biotechnology industries
- Nanotechnology
- Microelectronics, laser technology

In addition to turnkey clean rooms, BECKER Reinraumtechnik also supplies components such as fan filter units, laminar flow work benches, clean room cabins, minienvironment technology and stainless steel products (sit overs, cloakrooms, tables).

Products and services
- Advice, planning, concept creation for clean room technology
- Construction of turnkey clean rooms
- Validation, qualification
- Clean room wall, floor and ceiling systems
- Fan filter units
- Laminar flow work spaces
- Clean room furniture
- 24-hour comprehensive services

BECKER Reinraumtechnik GmbH
Von-der-Heydt-Straße 21-25, D-66115 Saarbrücken
Phone: +49 (0)681 7538-90
Fax: +49 (0)681 7538-75
Mail: info@becker-reinraumtechnik.de
www.becker-reinraumtechnik.de

Year founded
2002

Number of employees
15 [BECKER Group: 260]

Directors/Board of Management
Dirk Steil, Thomas Becker

Contact
Dirk Steil, Managing Director

Target groups/sectors
Medical technology: manufacturers of medical products and devices, pharmaceutical companies, pharmacies, laboratories
DeVeTec GmbH

Highly efficient power generation from waste heat

DeVeTec GmbH is a leading developer and manufacturer of innovative and novel steam expansion engines using an organic rankine cycle (ORC). The focus is on the efficient and economic recovery of power from waste heat in stationary and mobile environments – without additional emissions and fuel costs.

In the field of the ORC technology DeVeTec GmbH has been working closely together with well-known partners from the automotive and the process industry for more than ten years and holds various patents for this technology.

Several ORC reference plants have been installed in the chemical, glass making and steel making industry, as well as in combination with a biogas plant. The engines are completely manufactured in DeVeTec’s own workshop facilities – quality “made in Germany”.

The innovative ORC steam expansion engine is characterised by a high efficiency rate, very good partial load behaviour regarding fluctuating industrial heat streams, fully automated, unmanned operation and attractive payback periods for industrial applications.

Fields of application

- Power generation from industrial waste heat
- Direct power generation using waste heat streams from biomass, solar thermal, mine, sewage, landfill gas plants
- Usage of waste heat streams from CHP plants and gas turbines

Products and Services

- ORC module as mobile container unit consisting of: container, steam expansion engine, generator unit, ethanol pump unit, controls
- Turnkey ORC plants including the complete heat transfer components
- Consulting, planning, construction site management and assembly and installation of ORC plants
- Commissioning and maintenance of ORC plants
- Prototype construction of highly complex engines and engine components

DeVeTec GmbH
Altenkesselerstraße 17D/2, D-66115 Saarbrücken
Phone: +49 (0)681 830788-0
Fax: +49 (0)681 830788-12
Mail: info@devetec.de
www.devetec.de
Enovos Deutschland SE is the holding company of the Enovos Group in Deutschland. Sector-related subsidiaries operate under the holding in a variety of business areas.

The focus of the activities continues to lie in the conventional sale of electricity and gas for industry and public utility companies, whereby Enovos does not interpret this as pure sales, but also as structured procurement as well as portfolio management. It is precisely in this area that the corporate group regards itself as an energy provider, which, for example, advises the public utility companies with regard to procurement strategy, lends its support in the implementation of this strategy and, ultimately, provides market access. The portfolios are managed at the marketing company Enovos Energie Deutschland GmbH.

Furthermore, renewable energy and increased energy efficiency are of paramount importance for power supply in the future. Enovos Renewables GmbH is responsible for such renewable energy and its development on a national level. Enovos has already invested over 100 million EUR in this field and has joined forces with Saarland-based power supply companies to set up the project "Neustromland" ("New Power State"). Enovos Future GmbH is the Centre of Excellence for services covering all aspects of energy efficiency as well as trade-related services. In addition, the company offers complete solutions for space and process heat as well as light and pressurised air.

Enovos Storage GmbH operates the natural gas reservoir in Frankenthal, which compensates for the strong fluctuations in the natural gas requirements of the customers caused by weather conditions or production. It will also play an increasing role on the balancing power market due to the long-term rise in demand for storage capacities.
Ferrostaal Air Technology GmbH is a wholly owned subsidiary of Ferrostaal GmbH in Essen, of which a 100 percent stake is held by MPC Industries GmbH, Hamburg.

We are a high-performance company in the area of HVAC and have been working successfully in the planning and installation of industrial air conditioning systems.

We design, deliver and install systems for power and industrial plants. More than 100 employees with a long lasting experience drawn from numerous projects ensure the realization of economical and mature system solutions. Of course our customer and maintenance services are going to be at your disposal even after the final commissioning.

**Our scope of services includes:**
Consulting, planning, development, constructive processing, fabrication, on site assembling, commissioning and maintenance, refurbishing and energy optimization of old plants.

**We offer the following services:**
Cold and hot rolling mills, steel and aluminum plants, foundries, dismantling of nuclear installations, conventional and nuclear power plants, administration buildings, research centers for basic research in the field of nuclear and molecular technology, pulp industry, clean room technology for semi-conductors, solar and pharmaceutical industry.

**Our range of products contains high-quality components:** Heating and ventilation systems, solar cooling, electrical and I & C systems, smoke and heat extraction, energy and medium distribution, stable components (in case of earth quake) incl. documentation, components for natural ventilation, extraction systems and housings (fume exhaust systems and roll stand claddings), services (commercial employee leasing).

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**Year founded**
2007

**Number of employees**
103

**Managing Directors**
Helmut Funke, Karl-Heinz Kaspar

**Contact**
H. Kaspar

**Target groups/sectors**
Energy Suppliers, EPC Contractors, Research Centers

Ferrostaal Air Technology GmbH
Werner-von-Siemens-Straße 11, D-66793 Saarwellingen
Phone: +49 (0)6838 5159-0
Fax: +49 (0)6838 5159-212
Mail: lufttechnik@ferrostaal.com
www.ferrostaal.com
Laux & Meurers GmbH, Laux & Meurers Elektro GmbH

The Laux & Meurers Group comprises four separate cross-border companies, which are all certified by the German technical inspection agency TÜV, and which cover the sanitary, heating and electrical engineering trades in the Saar-Lor-Lux region. Laux & Meurers have set themselves the goal of providing outstanding performance and services in the skilled trades as a matter of course. Quality awareness in the thoughts and actions of company directors alone is not sufficient. The highest of standards can only be met if the entire team works conscientiously to provide top-quality services.

"Customers today expect more than functioning technology. They expect outstanding services in all divisions of the company in conjunction with a business relationship based on mutual respect and appreciation. Companies operating in the skilled trades only have a successful future if they keep up with the times and demonstrate superior performance in all aspects of their business", state Eberhard Laux and Jörg Meurers. "This is only possible in a team of highly-qualified employees."

Laux & Meurers attach great importance to vocational training and this team is, therefore, regularly added to from its own ranks. Year after year, apprentices who have completed their training period are taken on in a division corresponding to their interests. Up to a total of 26 apprentices always undergo training at the same time and are under the supervision of 11 master craftsmen employed at Laux & Meurers.

Spanning an area of over 300 m², the "Intelligent Bathroom, Heating and Electrical Engineering Showroom" in Perl, right on the border to the town of Schengen in Luxembourg, is open to visitors six days a week.

In Luxembourg itself there is a "Handwerkerhaus" - Skilled Trades House – which was initiated by Laux & Meurers and provides customers with all house-related trades under one roof. Whether conversions or new-build properties, the entire work can be realised by Laux & Meurers.
Healthcare
Pharmaceuticals
Medical technology
Medical devices
Cosmetics
BioKryo GmbH

BioKryo stores valuable biological samples using unique storage methods. These samples will always be available for future diagnostic and therapeutic applications. As a Fraunhofer Institute for Biomedical Engineering (Fraunhofer IBMT) spin-off, BioKryo benefits from IBMT’s cutting-edge systems in the area of biobanking.

The clients of the company in biotech, pharmaceutical and research institutions, as well as universities and hospitals may store their samples at -196 °C using liquid nitrogen (LIN), in the gas phase of liquid nitrogen at approx. -140 °C or in freezers at temperatures of -80 °C, -20 °C or 4 °C.

With the establishment of BioKryo in 2010, the local Ministry of Health provides the authorisation for storage of cryopreserved samples according to Section 20c of the German Drug Act (AMG), based on GMP standards. Samples up to BSL 2 may be stored in its biobank.

BioKryo organises the transport or the relocation of entire cryopreserved sample collections across Europe and with its logistics partner all over the world. In order to save collections of samples in case of an accident, BioKryo also offers short-term capacities for logistics and storage.

This process is embedded in BioKryo’s comprehensive QM system. Samples are stored in the BioKryo biobank according to GMP guidelines. BioKryo GmbH is licensed in accordance with the German Drug Act for the storage of e.g. therapeutic stem cell lines, thereby enabling BioKryo to provide a storage and logistics service in compliance with GMP.

| BioKryo GmbH |
| Industriestraße 5, D-66280 Sulzbach/Saar |
| Phone: +49 (0)6897 952869-6 |
| Fax: +49 (0)6897 952869-8 |
| Mail: kontakt@biokryo.de |
| www.biokryo.de |

Year founded
2010

Number of employees
3

Directors
Dr. Vincent v. Walke-Wulffen

Contact
Dr. Vincent v. Walke-Wulffen

Target groups/sectors
Biotechnology, pharmaceutical industry, hospitals
For many years, Bionmed® Technologies have been offering therapeutic devices for application in German and international hospitals, as well as by trained medical teams. The medical devices are developed and produced exclusively by Bionmed® Technologies, Germany.

The company is certified to ISO 13485, the standard for medical device manufacturers, and can thus guarantee the quality of their products, all of which correspond to European Standard 93/42 EEC for medical devices.

SENNEX® Tumour System and Bionmed® Ultrasound are our contribution to human therapy. SENNEX® is suitable for treating cutaneous and subcutaneous tumours of any histology and malignancy by means of electro-chemo-therapy.

In Germany, electrochemotherapy has been included in the clinical S3 guidelines since January 2013.

The Bionmed® Ultrasound device can be used for treating wounds and fractures, such as diabetic foot, as well as in inflammatory diseases, for alleviating pain and stimulating cutaneous perfusion.

**Medical technology from Saarbrücken – in global application**

The SENNEX® tumour systems are in practical use in numerous hospitals throughout Germany as well as in Russia, Asia and South America.

Bionmed® Ultrasound provides its services in hospitals as well as in medical practices, e.g. for sports therapy, and in the orthopaedic, dermatological and diabetological sector.
Fresenius Medical Care Deutschland GmbH

Fresenius Medical Care is the world’s largest integrated provider of products and services for dialysis, a blood filtering therapy replacing vital kidney functions for patients suffering from chronic kidney failure. Through its network of around 3,200 dialysis clinics in more than 40 countries, Fresenius Medical Care provides dialysis treatment to about 258,000 patients. With more than 40 production sites around the globe, the company is also the world’s leading provider of dialysis products such as haemodialysis machines, dialysers and related disposable products.

The St. Wendel plant was founded in 1974 and rapidly developed into one of the most important production sites and innovation centres of the company. Today, the main focus lies in the development and manufacturing of artificial kidneys (dialyser) for haemodialysis and bag systems for peritoneal dialysis, as well as their pre-products: hollow fibre membranes, moulded dialyser housing, tubes, films and pre-assembled system components. These are used worldwide in subsidiaries, joint ventures and by licence holders, together with the production technology from the St. Wendel plant.

The formula for success is the close interlinking of research and development with serial production, including all relevant production steps from the raw material to the final sterile product as well as the required production technology.

Products and services

- Hollow fibre membranes
  (Fresenius Polysulfone®, Helixone®)
- Dialysers and haemofilters
- Dialysis fluid filters (DIASAFE®)
- Non-PVC tubes and films (Biofine®)
- Systems and solutions for peritoneal dialysis
- Dialysis solutions
- Production technology
- Automation

Fresenius Medical Care Deutschland GmbH
Werk St. Wendel
Frankfurter Straße 6-8, D-66606 St. Wendel
Tel.: +49 (0)6851 807-0
Fax: +49 (0)6851 807-747
Mail: pr@fmc-ag.de
www.fmc-ag.com
The company intra special catheters GmbH was founded in 1977. Since then, it has been providing its customers worldwide with special catheters for anaesthesiological wards and departments of internal medicine, intensive care and emergency medical care, cardiology and pneumology. The products made by the company are characterised by the highest degree of safety and reliability and are, above all, of a consistently high quality, thus providing the users with numerous benefits.

The quality and success of a product are defined more than ever by high and consistent quality. Therefore, intra special catheters GmbH relies on skilled employees and modern, certified production. Of course, all of the products are manufactured and sterilised under GMP. Therefore, only materials of the highest purity and quality are used.

The company can draw on many years of experience to meet the new challenges posed by rapid technological developments. No product is so good that it cannot be further improved. Innovation is thus the daily business of the company in collaboration with doctors from the field of research, universities and hospitals.

intra products are used in various fields of medicine; both in pneumology, where special catheters are used to remove pathological accumulations of air and/or fluid within the pleural cavity, and in intensive care as well as cardiology for invasive measurement of arterial/venous or pulmonary pressures. Of course, intra offers appropriate accessories for all its special products.

The enterprise is certified in compliance with the international standards ISO 13485:2010 and Annex II/V according to Directive 93/42/EEC. intra products bear the CE mark of the European Commission.

**Year founded**
1977

**Number of employees**
18

**Director/Contact**
Jörg Staudt

**Certification**
ISO 13485; Annex II/V of Medical Device Directive 93/42/EEC

**Target groups/sectors**
Hospitals, practitioners

**intra special catheters GmbH**
Oststraße 2, D-66780 Rehlingen-Siersburg
Phone: +49 (0)6835 92260
Fax: +49 (0)6835 922622
Mail: info@intra-online.de
www.intra-online.de
KD Pharma Bexbach GmbH

KD Pharma Bexbach GmbH is specialised in the manufacture of omega-3 fatty acids vital for the human body.

The range of products primarily comprises ethyl esters and triglycerides of omega-3 fatty acids in the form of bulk goods, which are offered as food supplements or pharmaceutical products. The product PUR 3, which contains over 90 % omega-3 fatty acids, is available in capsule form at pharmacies.

When the company was founded, the main focus of activity initially lay in the field of separation technology, which then served as a basis for the development of a special technology to extract omega-3 fatty acids in extremely pure concentrations. "kd-pür Technologie" patented by KD Pharma, is a combination of SFE (Supercritical Fluid Extraction) and SFC (Supercritical Fluid Chromatography) with which it is possible to concentrate the essential omega-3 fatty acids up to a purity level of 99 % to meet customer requirements.

"kd-pür Technologie" is a gentle process enabling customised, highly-concentrated products from omega-3 fatty acids to be manufactured with the exclusion of oxygen, without the use of organic solvents and at low temperatures.

KD Pharma is progressively increasing its market share particularly in the manufacture of omega-3 pharmaceutical products. The company has succeeded in gaining the support of Capiton AG as a partner and investor in order to realise this goal. As the new major shareholder, Capiton AG has enabled the production capacity at the plant in Bexbach to be significantly increased.

Products

- Highly concentrated compounds of omega-3 fatty acids, manufactured to customer specifications
- Omega-3 generic pharmaceutical products
- PUR 3 capsules
- Omega-3 algae oils
Focus on people is not just a buzzword but rather one of the main concerns of MEDINORM Medizintechnik GmbH, which, as a committed European manufacturer, applies itself exclusively at the location SAARLAND to the production of high-quality disposable medical devices.

All of the members of staff – currently 90, many of whom have been with the company since its foundation – work with dedication each day to successfully put the declared corporate objective of providing quality “made in Germany” into practice.

Together with strong partners involved in both domestic and overseas sales, MEDINORM Medizintechnik GmbH has succeeded in firmly establishing itself on the market for medical devices, thereby gaining an excellent worldwide reputation as a manufacturer.

Continuing to meet these high demands is and will remain one of the primary goals of the company. The commitment and efforts of the entire workforce are directed at achieving this objective each and every day.

In order to be able to successfully carry on its operations in the future, MEDINORM Medizintechnik GmbH already relocated to new premises in 2006. The new, larger production facilities in conjunction with an extended machine park provide the ideal foundation for the manufacture of the standard range of catheters, probes and wound drainage systems as well as products developed in accordance with customer specifications at an outstanding level of quality.

The combination of the ability to act swiftly in client-oriented fashion, the flexible implementation of ideas and, last but not least, permanently bringing the technologies employed into line with the latest developments guarantees the basis for securing long-term successful operations.

**Products and services**

Manufacture and sale of disposable medical devices, such as

- Catheters and probes
- Wound drainage systems
- Suction sets and suction tubes
- Customised product developments

**Year founded**

2002

**Number of employees**

90

**Directors**

Peter J. Dahlhausen
Silvia Junker

**Contact**

Frank Norden (Head of Engineering)
Karin Kiefer (Exports and Marketing)
Susanne Schank (HR and Sales)

**Certification**

CE/DIN EN ISO 13485:2010
Directive 3/42/EEC

**Target groups/sectors**

Sales through dealer organisations, some awarded exclusively

**MEDINORM Medizintechnik GmbH**

Gewerbepark 7-8, D-66583 Spiesen-Elversberg
Phone: +49 (0)6821 96478-0
Fax: +49 (0)6821 96478-59
Mail: info@medinorm.de
www.medinorm.de
MEDTRON AG is the leading European developer and manufacturer of contrast medium injectors for computed tomography, magnetic resonance imaging and angiography.

MEDTRON devices as well as device-specific consumables meet all requirements regarding precise diagnostics, economic efficiency and patient-friendliness.

The contrast medium injectors and corresponding consumables, e.g. syringes, automatic filling systems or customer-specific tube systems, are distributed worldwide in cooperation with proficient partners.

The company was founded in 1992 and currently employs 50 members of staff. With more than 5,000 injectors installed worldwide, MEDTRON AG is continuously expanding its sales structures.

Products and services
- contrast medium injectors for computed tomography
- angiography
- magnetic resonance imaging
- as well as corresponding consumables
pfm medical mepro gmbh has been developing and producing medical devices since 1978. The company manufactures single products and large product series, and also carries out production as an OEM service. The portfolio extends from disposables to individually manufactured surgical implants. The clients are offered a complete service package extending from development to CE authorisation and from production to packaging and sterilisation.

**Research & development: from idea to registration**

The R&D departments develop medical technology. Engineers, natural scientists and medical experts bring together their specialist knowledge to create high quality medical devices.

**Production: precision crafting and fully automated manufacturing processes**

The breadth of our expertise enables pfm medical mepro gmbh to tackle all forms of production, whether high-precision crafting in the clean room, fully automated serial production or producing special equipment for particular products.

The following technologies are used:
- Nitinol processing
- Processing of plastics
- Laser technology
- Plasma activation

The core range of the company includes wound drainage systems (high and low vacuum and gravity systems), infusion sets, catheters, cardiac implants and vascular prostheses.

**Sterilisation made to measure**

Together with its subsidiary pfm medical msg gmbh the enterprise operates one of the most modern and environmentally friendly ethylene oxide sterilisation plants in Europe. It acts as a one-stop shop, offering everything from the development of specially adjusted sterilisation cycles to certified quality management systems and dispatch services.
PHAST GmbH

PHAST is a pharmaceutical company with core expertise in quality testing of drug products. Applying international cGMP standards, PHAST checks drugs, active ingredients and packaging. Our quality checks cover small molecules, biopharmaceuticals as well as the development and validation of analytical methods. PHAST’s standard of quality was confirmed by the American FDA in 2006, 2009, and most recently in April 2013.

Besides innovative quality checking procedures for pharmaceuticals, PHAST offers pharmaceutical-scientific services in the areas of state-of-the-art drug development and manufacture. Specially developed testing methods allow predictions of the bioperformance of drug products. Our experienced and multidisciplinary team as well as our cGMP/FDA-tested laboratories ensure high quality and quick order processing aligned to the customer’s needs.

Moreover, PHAST provides support to companies in the basic and on-going training of their employees. Training courses on the practical application of analytical techniques, assistance in system suitability tests and experimental work for the purpose of qualification and validation can be provided either on site at the pharmaceutical company or in our PHAST laboratories, depending on the customer’s preferences.

Products and services
- Pharmaceutical quality control
- Pharmaceutical development/clinical trial supply
- Manufacture of clinical trial compounds
- Release of batches authorised by a “Qualified Person”
- Quality services
- Reference substances
- Training courses and seminars

Company locations
- Homburg/Saar, Konstanz, Darmstadt, Sulz (CH), Robion (F)

PHAST GmbH
Kardinal-Wendel-Straße 16, D-66424 Homburg
Phone: +49 (0)6841 98489-0
Fax: +49 (0)6841 98489-50
Mail: office@phast.de
www.phast.de

Year founded
2002

Number of employees
approx. 200

Contact
Pascal van de Veire

Certification
cGMP, FDA [2006/2009/2013]

Target groups/sectors
Pharmaceutical Industry
Injection moulded products for medical purposes

In addition to outstanding human achievements, the success of modern medicine is also based on powerful and sophisticated innovations in precision manufacturing. In this field, the welfare of patients goes hand in hand with medical engineering of the highest quality.

pmt regards this as its mission to provide responsible services and has been committed to achieving first-class quality management, innovative product design and optimal customer service for 20 years.

Certified standards in clean room production guarantee absolute precision from the start of the production process through to sales.

In consultation with its customers, pmt creates injection moulded items such as transfer cannulas, catheter systems and devices for transfusion medicine. The particular strength of the company lies in the development of its clients’ product concepts from the instrument to the finished product in sterile production.

Products and Achievements

Precision devices for medical purposes
- sterile injection moulded items
- catheter systems for urology/ophthalmology
- lumbar puncture sets
- bandage sets
- catheter systems for anaesthesia/intensive care

Year founded
1982

Number of employees
45

Director
Heinz Montag

Contact
Stefan Kynast, Engineering
Jürgen Kistner, Engineering

Target groups/sectors
producers/distributors of medical devices in all medical fields

pmt – präzision medizin technik
Im Gewerbegebiet 11, D-66709 Weiskirchen
Phone: +49 (0)6876 9100-0
Fax: +49 (0)6876 9100-55
Mail: info@pmt-weiskirchen.de
www.pmt-weiskirchen.de
Dr. Theiss Naturwaren GmbH

From a pharmacy in the old part of the town to an enterprise whose products are represented in over 50 countries – this is, in a nutshell, the story of the development of Dr. Theiss Naturwaren GmbH. As a pharmacist’s son, Dr. Peter Theiss studied pharmacy and was quick to recognise the trend towards natural remedies among the health conscious. After graduating and taking over his parents’ pharmacy – Marktapotheke – in Homburg, he set himself the goal of offering his customers improved quality of healthcare with his own products made from natural ingredients sold at the pharmacy.

Owing to the extensive in-house production of natural remedies and the ever-increasing demand for these products, he established the company Dr. Theiss Naturwaren GmbH in 1978.

In the early 1990s, Dr. Theiss achieved success by committing himself to tapping the potential of the markets opening up in Eastern Europe. These early efforts were rewarded: Today, the Homburg-based company is the market leader in many countries with its products in various areas.

Over the course of time and with continually growing success, new brands have been developed in new areas of expertise in addition to the brand “Dr. Theiss”. The corporate group now comprises the brands Dr. Theiss, medipharma cosmetics, Lacalut and Allgäuer Latschenkiefer. All of the articles ranging from medicines to foot and body care products through to oral hygiene products are manufactured in keeping with the principle of the company – in harmony with nature – and sold exclusively via pharmacies across the globe.

Dr. Theiss Naturwaren GmbH has numerous sales partners and subsidiaries on all five continents, with over 1,500 members of staff worldwide, more than 350 of whom work at the headquarters in Homburg, Saarland. The company now has three plants in the region.

Year founded
1978

Number of employees
350 (in Homburg), 1,500 (worldwide)

Directors
Prof. Dr. Peter Theiss
Giuseppe Nardi

Contacts
Julia Ruffing (Marketing & PR)
Bianca Scherer (Marketing & PR)

Certification
for pharmaceutical products according to GMP standards

Target groups/sectors
Pharmacy clients, people with skin problems or sensitive skin wishing to place their trust in the power of nature
URSAPHARM Arzneimittel GmbH is a medium-sized enterprise operating on the international market, which has positioned itself among the market leaders in Germany due to its wide range of products in the field of ophthalmology. The company employs more than 450 members of staff.

URSAPHARM was founded in 1974 as a marketing company. Just two years later, in 1976, it set up its own production facilities for the manufacture of eye drops and eye ointments, with the addition of further facilities for the production of solid types of eye medicines in 1979. Today, URSAPHARM operates production facilities in Saarland and also maintains sales offices in the Netherlands, Austria, Belgium, Poland, the Czech Republic, Russia, India and France.

The company owes its success, among other factors, to its patented development COMOD®. This unique multi-dose container enables liquids, particularly medicines, to be kept sterile without added preservatives even in the case of long-term applications.

The products Bromelain-POS® [an anti-inflammatory enzyme which acts to reduce swelling], Zinkorotat-POS® [a mineral preparation used to activate the immune system] and aronia+® [a natural preparation to boost the immune system] are three examples of the high degree of innovative strength of the company, which always keeps future markets in its sights.

By carrying out contract manufacturing for reputable pharmaceutical companies, URSAPHARM has created a sales market which plays a further role in its corporate success.

At URSAPHARM, entrepreneurial activities always go hand in hand with those of a social nature. Its involvement in sporting and cultural events and in social matters has, therefore, always been a matter of course for the company. At the beginning of 2011, these activities were brought together to create the brand “URSAPHARM Engagement”, which is committed to supporting popular and professional sport in Saarland as well as cultural and social projects.

**Year founded**
1974

**Number of employees**
over 450

**Directors**
Frank Holzer, Dominik Holzer

**Contact**
Boris Röder
(Head of Corporate Communications)

**Certification**
DIN EN ISO 9001:2008
EU GMP Standard

**Target groups/sectors**
Pharmacies, physicians, non-medical practitioners, patients

**Website**
[www.ursapharm.de](http://www.ursapharm.de)
Information and communications technology
Informatics
Telecommunications
Electronic media
Compelling and high-performing Web applications

Today it is crucial for companies to inspire and fascinate their customers on the Internet as well. The requirements concerning corporate Web applications have increased and direct communication with customers is gaining more and more importance. This is exactly the core business of Avarteq GmbH. Since 2008, Avarteq has been an experienced and established service provider for medium-sized enterprises and global players from various sectors.

The company sees itself as a full-service agency and offers consulting and support regarding conception, development and maintenance of its clients’ Web applications. In addition, Avarteq is specialised in fail-proof hosting and the accompanying 24/7 support. The company strives to serve each customer in an applicable and individual manner. As a young and highly qualified team consisting of developers, designers and online marketing managers, its accompanies its clients during each step in a professional, personal and transparent way. Due to short development periods and high process efficiency, the services can be offered in a time-saving and cost-efficient manner. The customers are, of course, guaranteed advanced safety standards and data security.

In the area of online marketing, profound experience in search engine optimisation (SEO) and advertising (SEM) as well as social media campaigns can be provided. As a result, the desired target group is positively and productively reached.

Products/Services

- Individual software development for Internet applications
- Cloud Hosting in compliance with German data security laws
- Conception, creation and web design
- Online marketing (SEO, SEM, SMM)
Making software development productive: Java „Rabbit Application Development“.

The Barista® Application Development Framework

BASIS Europe Distribution GmbH is a member of the BASIS International group located in Albuquerque, New Mexico (USA), which has been manufacturing and selling software development tools used by programmers to create market-ready vertical solutions since 1985.

The current generation of the BBj® product is a complete, cross-platform development environment with true three-tier architecture. Using this technology, software developers can write business applications for desktop computers, the Web, mobile devices and the Cloud without having to learn different programming languages or having to re-write their source code.

BBj is based on Java technology distributed around the world and optimises it for the development of business applications.

BASIS surpasses the development environment and provides a large selection of finished components, such as web shops, a CRM system and more.

The sister company BASIS Europe Professional IT Service GmbH has developed custom software solutions for clients in Europe and overseas.

Software Innovations from BASIS

- **BBj** – Following the motto “develop once, run everywhere”, applications written in BBj can be deployed to Macs, PCs and Linux computers without any change to the source code.
- **BUI** – The Browser User Interface is implemented with the Google Web Toolkit which cross-compiles the Java-based code of BBj into JavaScript. It allows BBj software to be deployed to mobile devices once it has been written.
- The multi-tier web shop solution, AddonShop, has already been successfully deployed by approximately 40 wholesalers and retail stores in the office supplies, paper and stationery industries.

<table>
<thead>
<tr>
<th>Year founded</th>
<th>1985</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of employees</td>
<td>60</td>
</tr>
<tr>
<td>Director</td>
<td>Nico Spence</td>
</tr>
<tr>
<td>Contact</td>
<td>Patrick Schnur, Marketing/PR</td>
</tr>
<tr>
<td>Phone</td>
<td>+49 (0)681 96814-25</td>
</tr>
<tr>
<td>Mail</td>
<td><a href="mailto:pschnur@basis.com">pschnur@basis.com</a></td>
</tr>
<tr>
<td>Target groups/sectors</td>
<td>Software developers, businesses in retail/wholesale, services and manufacturing</td>
</tr>
</tbody>
</table>

BASIS Europe Distribution GmbH
BASIS Europe Professional IT Service GmbH
Nell-Breuning-Allee 6, D-66115 Saarbrücken
Phone: +49 (0)681 96814-25
Fax: +49 (0)681 96814-33
Mail: eu@basis.com
www.basis-europe.eu
enycon Unternehmensberatung GmbH

We provide precise Add-ons for SAP ERP!

enycon Unternehmensberatung GmbH is an IT-consultancy specialized in SAP ERP and SAP Netweaver Add-ons.

We focus on optimizing logistics business processes in manufacturing industry, retail, municipal utilities and real estate industry. Furthermore we develop pragmatic extensions for SAP ERP.

Our proposals contain a full service package including advisory service, an overall concept, implementation, tests and training.

The first priority of all our work is communication, cooperation and efficiency.

Our highly skilled team has expert knowledge, combined with many years of experience and provides innovative solutions.

The project-management methods guarantee improvement in order to optimize business processes and software development.

Add-on products and solutions

The add-ons are based on Java or ABAP and ideally complete your SAP system. The most requested add-on solutions are:

- **SBO** – Send Business Objects for SAP ERP:
  Convenient e-mail handling via generic object services
- **SRP** – Stochastic invoice verification for SAP ERP:
  Drastically reduces your costs regarding invoice verification.
- **GCM** – Generic contract management for SAP and ERP:
  Administration of your rental, sale, license and maintenance contracts.
- **Mobile apps for SAP EAM**:
  Easy access to your SAP EAM system no matter where you are.

We are happy to offer you tailor-made solutions for your company!

SAP is a trademark of SAP AG, Walldorf

enycon Unternehmensberatung GmbH
Medienzentrum Saar
Nell-Breuning-Allee 6, D-66115 Saarbrücken
Phone: +49 (0)681 75594-0
Mail: info@enycon.de
www.enycon.de

Year founded
1999

Number of employees
8

Managing Director
Uwe Cavelius

Contact
Uwe Cavelius

Target groups/sectors
SAP ERP Users, manufacturing industry, retail, municipal utilities and real estate industry
Efficient IT solutions for your success!

Today, no company, regardless of its size or the sector it operates in, can do without up-to-date, functional IT. Here above all, companies depend on the assistance of an experienced and reliable partner. In particular, the rapid technological progress in all areas of IT calls for an IT service provider who cannot only build on a wealth of solid experience, but can also keep adapting his solutions to suit the needs of his customers.

Since 1965, eurodata, now with 14 companies in 10 European countries, has been just such a highly innovative guarantor of high-quality IT solutions. eurodata’s customers have practical, tried-and-tested software solutions and thoroughly modern IT services available to them. These reduce running costs and thus take the strain off corporate budgets to a noticeable extent.

In this way, tailor-made, efficient sector-specific solutions provide optimum support for business processes in health-care professions, the automotive industry, filling-station accounting and the petroleum trade.

Furthermore, with tried-and-tested and innovative business management solutions, eurodata accompanies corporate processes such as financial and payroll accounting, merchandise management, and the highly modern solution for the electronic exchange of invoices. On-line archiving solutions in the computing centre round off the range.

The high-performance computing centre in Saarbrücken is one of the most modern and secure in Europe. It provides companies with the highest degree of security and availability, and takes the burden off them to a great extent in terms of technical requirements round the clock, whilst also offering high-security network connections.

For more information, please go to www.eurodata.de
hartech KG

Hartech KG is a full-service Systems Integrator and Cloud Services Provider. We specialize in designing, implementing, migrating and running innovative Server, Desktop and Application infrastructures. We are certified and have extensive experience in leading technologies of our partners Citrix, Datacore, EMC², Fujitsu, Microsoft, Sophos, veeam and VMWare.

Founded in 1994 the owner-managed company has established itself as leading technology firm providing Consulting Services, Infrastructure Solutions, and Managed Services far beyond the Saarland borders. Among the almost 30 employees, there are teams of expert engineers with high certifications and high qualified knowledge about solutions such as Desktop, Application and Server virtualization. That allows IT departments to deliver flexible and secure systems to their end-users, regardless of their location.

As independent consulting company, hartech also provides Project Consulting, Technology Assessment, and Software Development to ensure that our clients have the best technical solutions to solve their business challenges and bring value to their organization. You’ll profit from our professional services and solutions as we help you avoid performance issues, incorporate virtualization best practices, and transfer knowledge to your IT team.

We provide...

- Highavailable Storage-, Server- und Cloud Solutions
- Desktop-Deployment and Application Delivery
- Professional Datacenter Solutions for Backup and Monitoring
- Project-Consulting about Linux- und Windows-Server, SQL-Server and Exchange-Environments
- SharePoint: Implementing, Consulting and Development
- Individual Software Development and Business Intelligence-Solutions
**Next Generation Telecommunications**

As an owner-operated company, *inexio* – Informationstechnologie und Telekommunikation KGaA invests in the setting up and development of the latest telecommunications infrastructure. Since its foundation in 2007, *inexio* has successfully installed its own network of over 3,000 kilometres of state-of-the-art fibre optic cable.

The four company-owned computer centres in Saarlouis, Saarbrücken, Kaiserslautern and Einsiedlerhof – with the redundant backbone to the two internet hubs in Frankfurt and Luxemburg – ensure the bandwidth and permanent availability of internet and telecommunication services. Thanks to the latest DWDM and Ethernet technology, it is thus possible to achieve transmission speeds of up to 32 x 10.000 Mbit/s.

In addition, the skills of the young and experienced team cover the entire telecommunication and IT spectrum – from carrier services through to the complete range of telecommunication, IT and data centre services.

**Services overview**

- Broadband internet access via fibre optic, xDSL and wireless
- Dark fibre, wavelength and Ethernet connections
- Hosting
- VPN solutions, national and international
- Telecommunication solutions
- Telephone connections: VoIP (SIP), analogue, ISDN, PMX
- Computer centre
- Comprehensive IT and telecommunication facilities such as managed services, IT operations and internet security

Over 1,000 business customers – from mid-sized companies to large-scale corporations – have come to rely on the powerful range of services provided by *inexio*. In many cities, municipalities and rural areas, *inexio* runs its own city networks as well as cabling districts via fibre optics. In this process, the QuiX product family has led to the creation of an independent service for private end customers.
Since its foundation in 1998, Key-Systems™ GmbH has been operating in the global internet/IT industry. The company is one of the largest providers of domain names (web addresses) like www.key-systems.net in Europe. Key-Systems currently manages more than three million domains for more than 70,000 retail/corporate customers and 1,800 resellers worldwide. The team of 70 employees works at Key-Systems’ headquarters in St. Ingbert, Germany, and at a subsidiary location in the USA. Key-Systems is part of the Luxembourgian KeyDrive S.A. holding whose members are leaders in internet services specialized in registering, monetizing, hosting, selling and developing domain names.

**Business Areas and Services**

Key-Systems’ core business is the registration and management of domain names on behalf of its customers. Furthermore, domaindiscount24™ especially addresses end customers with additional services such as SSL certificates, hosting and vServers. RRProxy™ provides these services on a resale basis. BrandShelter™ supports companies and brand owners in securing large domain portfolios and protecting trademarks on the Internet. With its wholly owned subsidiary SKYWAY DataCenter GmbH, Key-Systems GmbH has access to a TIER III data center, which offers (vCloud) hosting, colocation and root/managed servers. The subsidiary KSregistry GmbH provides the technical backend for the registries of domain extensions such as .DM (Dominica) and .SAARLAND (from 2014).

**Basic Information about Key-Systems**

- Over 300 domain extensions for fully automated registration
- Complementary services: SSL, hosting, brand monitoring, etc.
- Specialised offers for end users, companies and retailers
- Over 70,000 customers in more than 200 countries
- Locations in Germany & USA
- Multilingual websites and user interfaces

**Key-Systems GmbH**

Im Oberen Werk 1, D-66386 St. Ingbert
Phone: +49 (0)6894 9396-850
Fax: +49 (0)6894 9396-851
Mail: info@key-systems.net
www.key-systems.net

<table>
<thead>
<tr>
<th>Year founded</th>
<th>1998</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of employees</td>
<td>70</td>
</tr>
<tr>
<td>Managing Director</td>
<td>Alexander Siffrin</td>
</tr>
<tr>
<td>Contact</td>
<td>Dorothea Marx</td>
</tr>
<tr>
<td>Target groups/sectors</td>
<td>Domain registration, IT services</td>
</tr>
</tbody>
</table>
Mansystems Deutschland GmbH

Your specialist for IT Service Management

Mansystems Deutschland GmbH has been specialising in ITIL consulting and support as an IT service provider for more than 20 years now. Besides all-in-one solutions designed to operate services, the company also provides integration solutions to connect third-party systems. Products, such as the approved ITSM solution Expert Desk or the integration platform ARSXLink, which facilitates a seamless integration with the BMC ARSystem and any third-party system, are also deployed.

The enterprise reached a new level regarding the integration of business processes with the development of the Service Productivity Platform (SPP). Not only application integration is supported but also data and process integration and simple linking to applications of partners such as SAP, HP, ServiceNow is now possible, too.

Furthermore, the product BlueIT aims at optimising the efficiency of data centres and Mansystems was honoured by the European Commission as “Endorser of the Year” for its commitment in this sector.

Among the clients of the company are mid-size businesses, transnational corporations and public institutions such as Base, KPMG, Migros, T-Systems and ZDV Saar.

Founded in the Netherlands in 1991, the German head office is located in Saarbrücken with a second dependent company in Wiesbaden. Since 2012 Mansystems Deutschland GmbH has been represented in South Africa with two dependent companies.

Our products

- Expert Desk® – Service Management Solution
- ARSXLink® – BMC Remedy Integration Suite
- ARSLink for SolutionManager – BMC Remedy ITSM Suite – SAP Solution Manager Integration
- Service Productivity Platform – Enterprise Application, Data and Process Integration
- Service Highway – Knowledge on the front
- BlueIT – Datacentre Efficiency

Year founded
1991

Number of employees
160 worldwide

Managing Director
Karsten Merschjan

Contact
Matthias Waterkamp

Target groups/sectors
IT Service Providers, outsourcers, IT organizations of corporations, Professional Service Management Organizations of all sectors

Mansystems Deutschland GmbH
Science Park 2, D-66123 Saarbrücken
Phone: +49 (0)681 959-3180
Fax: +49 (0)681 959-3190
Mail: info@mansystems.de
www.mansystems.com
ma-x neue medien, founded in 1999 and based in Saarbrücken, has been designing professional Internet presentations of outstanding quality for almost 15 years now.

The company, which originally started out as an online advertising agency, is today a provider of a comprehensive range of IT services, meeting all of the requirements involved in the realisation of digital projects.

ma-x is among the region’s most successful and long-standing IT service providers with more than 1,500 projects successfully implemented and over 200 clients. The list of current client projects includes, for example, the SHG Group with 12 Internet presentations, Radio Salu, ZPT with numerous projects, Saarländische Staatskanzlei, Warburg Invest Luxembourg S.A, Rotho Babydesign, Der Flix (one of Germany’s most successful comic-strip artists), Asko Europastiftung with a large number of Internet presentations, Villeroy und Boch AG, Willy VOIT GmbH, P.R. Havener, to name but a few.

In addition to the main focuses such as conception, consultancy services, design, technical implementation and providing, ma-x also realises professional photo shoots and offers its support in preparing tailor-made contents for websites. This does not only apply to enhancing the aesthetic appeal of the Internet presentations in the long term, but also to social media presentations, which are gaining in significance to an ever-increasing extent.

The digital worlds are becoming more and more multi-tiered and complex, both in terms of technology and content. ma-x has the required expertise to find the right mix in line with its clients’ brands and to control the processes for long-term support and guidance with the customers in a professional manner.

**ma-x keywords:**
IT consultancy services, online editing, professional photo shoots, web design, programming, copywriting, translating, 3 animation, newsletter services, training courses, search engine optimisation, crossmedia, Twitter, Facebook, Xing, YouTube, change management, process management, App development, network and IT infrastruktur, hosting, email service, spam protection, back-up services, domain management, mySQL, SQL, online shops, Typo3, Joomla!, RedDot (Open Text), php, asp, ajax, html 5, .net, c++, Multitouch Panel

**ma-x neue medien – Gesellschaft für Kommunikation und Training mbH**
Alte Artilleriekaserne 1-3, D-66119 Saarbrücken
Phone: +49 (0)681 96873-0
Fax: +49 (0)681 96873-11
Mail: heike.mathis@ma-x.de
www.ma-x.de

**Year founded**
1999

**Number of employees**
7

**Managing partners**
Heike Mathis and Frank Schwarz

**Contact**
Heike Mathis

**Target groups/sectors**
Information Technology
Agency for New Media
IT services vendor
For 30 years now, META-LEVEL Software AG has been providing its customers with professional service in the field of IT:

**IT services and customised software solutions**

- Personal consultancy services to meet individual requirements
- Analysis/concepts, software design, development/programming, system installation, operations/maintenance
- Implementation of IT projects in accordance with the highest quality standards
- Expansion of existing development capacities
- Advice and support in setting up Business Intelligence Solutions (BI)
- Workflow-based Internet portals (such as www.leginda.de)
- High-availability storage solutions on the basis of IBM Tivoli Storage Manager (TSM Cluster®)
- IT seminars, company training courses and training of IT specialists

**Document and Knowledge Management System META-DOK**

We offer the Document and Knowledge Management System META-DOK for the centralised administration and safe archiving of all kinds of documents. META-DOK enables emails, office files and related documents to be saved centrally in the company, distributed in targeted fashion and archived in conformity with regulations using freely-definable criteria.

A central pool of knowledge is thus created in the company which can be accessed securely by members of staff, teams, branch offices, associates and clients at any time and regardless of location.

Information can be researched swiftly by means of multi-faceted search and filter options. A subscription service provides the users with up-to-date information regarding modifications and innovations on relevant issues.
Plan Software GmbH develops distribution and construction systems for the capital goods industry. The company was founded in 1993 as one of the first spin-offs from the German Research Centre for Artificial Intelligence (German acronym is DFKI). Since then it has grown to become one of the leading specialists in the area of product and sales configurators intelligent catalogues.

Our systems are currently used by our clients across the globe. With over 3,000 installed systems across all language regions the product has proved itself in daily practice. Clients of Plan Software range from small businesses with just a few employees to global corporations.

Since 2007 Plan Software has been a development partner of Forschungsvereinigung Antriebstechnik e.V. (FVA – Drive Technology Research Association). The FVA provides access to research-level engineering computation software to their member companies. Plan Software is also a member of the VDMA (Verband Deutscher Maschinen- und Anlagenbau – German Engineering Federation).

Plan Software products have received several awards for their innovation and performance. It received the Smart mobile Award in 2012 (in the e-Business category) under the auspices of the Bavarian Department of Trade and Industry. This award distinguishes companies which have developed innovative mobile applications, which have already proved their commercial relevance.

In 2013 it received the IT INNOVATION PRIZE under the auspices of the Lower Saxony Department of Trade and Industry. The software was evaluated for innovation, relevance to practical applications, and suitability for medium-sized companies.

In that same year Plan Software GmbH received the “TOP 100” award: probably the most significant innovation award for small and medium-sized businesses. This award, which is mentored by technology writer Ranga Yogeshwar, places a high priority on innovative products and innovation management.

Plan Software Beratung und Entwicklung GmbH

Martin-Luther-Straße 20, D-66111 Saarbrücken
Phone: +49 (0)681 37927-0
Fax: +49 (0)681 37927-29
Mail: info@plansoft.de
www.plansoft.de

Year founded
1993

Number of employees
30

Directors
Axel Biewer
Franz-Rudolf Schuhmacher
Michael Wille

Contact
Axel Biewer

Target groups/sector
Engineering
IT sector
SemVox – Experience Information!

SemVox is an award-winning software and IT consultancy company specialising in the development of innovative voice control solutions and mobile applications. SemVox was founded in 2008 as a spin-off of the German Research Center for Artificial Intelligence (DFKI GmbH). Since this time, the company has been pursuing its goal to transform information into engaging experiences through the development of intelligent, efficient user interfaces.

Whether speech input, gesture control, input via touch screen or a combination of various input modalities – SemVox technology enables users to choose their preferred input modality in every situation.

SemVox’s own technologies form the basis for the development of interactive solutions in the following sectors: automotive, home automation, home appliances and equipment, healthcare and medical devices, home entertainment and mobile applications.

In addition, SemVox offers its talkingTerminal technology for the realisation of interactive information systems which can be controlled via voice, touch or gesture. SemVox’s talkingTerminal technology is an ideal basis for interactive in-store product advisors, innovative information kiosks at fairs or virtual receptionists in a company’s office buildings.

The development of indoor positioning and navigation technologies is another cornerstone in the company’s portfolio. SemVox’s navigation technologies form the basis for orientation guides and guidance systems in private as well as public buildings.

In addition to its development services, SemVox GmbH invests its expertise in consultancy projects in the fields of voice control, gesture control and mobile applications.

SemVox GmbH
Ursulinenstraße 63a, D-66111 Saarbrücken
Phone: +49 (0)681 99191-980
Fax: +49 (0)681 99191-989
Mail: info@semvox.de
www.semvox.de; www.talking-terminal.de

Year founded
2008

Number of employees
17

Board of Management
Dr. Norbert Pfleger
Alexander Pfalzgraf
Jan Schehl
Jochen Steigner

Contact
Jochen Steigner

Target groups/sectors
Automotive, retail, industry, finance, building systems, healthcare, entertainment
TST Kommunikationstechnik GmbH has been applying itself to the conceptual design and construction of satellite earth stations for over 15 years. TST provides the necessary project management for such international projects itself. Its range of services also extends to moving existing satellite earth stations. Many of these stations are controlled by the M&C software (Monitoring and Controlling) developed by the company, which displays all of the statuses and settings of the components integrated in the system and allows them to be modified. The measuring technology required for this ranges from network analysis to spectrum analysis through to signal level measurement in the frequency band up to 40 GHz, today’s satellite frequencies.

Traceability to the national standard of PTB - Physikalisch-Technische Bundesanstalt (Federal Institute of Physical and Technical Affairs) is guaranteed by the principal shareholder Temeka GmbH. TST is currently in the process of certification in accordance with ISO 9000, which will be completed by the end of the year.

The international clients of TST are television broadcasting companies, ministries and satellite operators. SES ASTRA in Betzdorf, Luxembourg, has already been one of TST’s key accounts for more than 15 years. In order to intensify this partnership, TST has been operating a subsidiary (TSTLuxKom S.a.r.L.) in Betzdorf since the middle of 2012, located in the immediate vicinity of SES ASTRA. The high-frequency engineers lend their support there to the projects of SES ASTRA and SES Techcom.

Since 2005, the company has also offered Internet connections via satellite for private and business customers. A power socket is sufficient to obtain high-speed Internet with a download speed of up to 20 Mbit/s and an upload speed of up to 6 MBit/s. The service area extends to virtually the whole of Europe.
white|c is a spin-off company of Deutsches Forschungszentrum für Künstliche Intelligenz (German Research Centre for Artificial Intelligence) The company operates in three areas: Mobility, outdoor advertising and architecture.

The main product of white/c is Professional OpenDS, a driving simulation software based on the open-source project OpenDs. The enterprise prepares large town models and architectural models with a high degree of detail using 3D laser scanners.

Driving simulation studies are also carried out for the automotive industry (driver distraction, user experience) and outdoor advertising (driver distraction, convergence).

OpenDS is a flexible and upgradable driving simulation software for industrial research and development as well as scientific experiments in the automotive field.

If required, the company can provide its clients with finished models using the CAD software Autodesk®, Revit®, Inventor® and FactoryDesign®.

Moreover, white/c reconstructs closed surfaces and solids from point clouds, which can be processed with the aid of 3D printers or CNC machines. In this way, the company is able to reconstruct components, e.g. for engines. A further application example from the field of architecture concerns embellishments of sculptures, facades, monuments or other complex artefacts. The reconstructed surfaces can then also be loaded into the client’s CAD software, thereby providing all elements for further processing. white/c uses its “procedural reality capturing toolkit” (paracat) for projects involving large surfaces. This system is a unique combination of procedural modelling (i.e. rule-based modelling) and the capturing of reality (using its laser scanning technology).

**Year founded**
2008

**Number of employees**
5

**Directors**
Dr. Christian Müller
Mohammad Mehdi Moniri

**Contact**
Dr. Christian Müller

**Target groups/sectors**
Automotive, architecture, engineering, construction
ZWF IT GROUP – IT that works!

The system vendors ZWF IT GROUP regard themselves as manufacturer-independent process advisors in order to provide the best possible IT support to medium-sized businesses. Our experts offer one-stop IT solutions, consistently and exactly geared to meet your requirements and for the success of your company.

ADD – IT & Consulting
We carefully put together and look after all aspects of your IT infrastructure. Our services range from IT system and network integration, the supply of workplace hardware and storage systems, the virtualisation of your IT systems, remote system maintenance, through to the complete operation of your IT in a professional computer centre.

ENTIAC – Automotive & Logistics
Our core expertise lies in tapping the full potential of enhancements in the field of intra-logistics in the automotive industry and its subcontractors by means of process consultancy services and providing customised solutions, such as an automotive industry solution and mobile logistics solutions for trouble-free material flow and inventory control.

SIGMA-IP – IT & Consulting
We advise French companies with regard to the process-oriented integration of voice, data and video services.

SLK – Safety & Communication
We are specialised in providing optimal consultancy services in connection with the upgrading of your “BOS” radio systems (BOS = authorities and organisations responsible for safety and security). You will receive high-performance “BOS” radio technology from us, the corresponding software as well as the appropriate control centre technology. Furthermore, we secure your premises digitally against unauthorised access.

ZWF – Software & Consulting
The consultancy services offered by our specialists will enable you to achieve maximum process improvements and you will receive appropriate software solutions such as ERP systems, foreign trade solutions, DMS and CRM systems, business intelligence solutions and smart SharePoint add-ons.

ZWF IT GROUP
Untertürkheimer Straße 24, D-66117 Saarbrücken
Phone: +49 (0)681 929-0
Fax: +49 (0)681 929-1005
Mail: info@zwf.de
www.zwf-itgroup.de

Year founded
1992

Number of employees
over 120

Directors
Willi Zimmerling
Ewald Weber

Contact
Willi Zimmerling

Target groups/sectors
Small and medium-sized companies as well as large-scale industrial enterprises, retail market, services; public sector, non-profit organisations
Innovative service companies
The ASW – Berufsakademie Saarland e.V. is a university of cooperative education. It regards itself as a university for business and industry. The contents of the courses of study are continually adjusted to meet the requirements of over 200 companies offering in-plant training while taking into account scientific issues as well as modern working and management techniques.

**Products/Services**

- Business Administration (Bachelor of Arts) with five sub-fields of study:
  - Trade,
  - Industry,
  - Taxation and Accounting
  - Financial Business and
  - Logistics
- Mechanical Engineering (Bachelor of Engineering),
- Information Management (Bachelor of Arts) and
- Industrial Engineering and Management (Bachelor of Engineering).

Innovation by integrating the communication and impartment of:

- key qualifications (presentations, communication, team techniques, project management),
- use of innovative computing tools (ERP Systems, CAD/CAM Systems, simulation tools) with regard to practical applications,
- employment of modern teaching and learning methods and
- further vocational training courses.

**ASW – Berufsakademie Saarland e.V.**

Kohlenstraße 13, D-66386 St. Ingbert

From January 2014:

Am Kohlwaldaufstieg 3, D-66540 Neunkirchen

Mail: info@asw-berufsakademie.de

www.asw-berufsakademie.de

**Year founded**

1991

**Number of employees**

15 [+ 140 avocational lecturers]

**Directors**

Dr. Andreas Metz
Dr. Jörg Henkes

**Certification**

AQAS e.V.

**Target groups/sectors**

Service sector, trade and industry
ACÜ GmbH – a company in the Mosolf Group – offers tailored and customer-oriented logistics solutions as well as technical and service-side assistance and special vehicle construction for the automotive industry and fleet customers from one source.

The Auto Service Center in Überherrn was founded in 1981 and has an area of 450,000 sq. m. 6,500 sq. m of this is production area – storage options for 14,000 vehicles are also available. In addition to a siding with a 272 m dead-end track and end-loading platforms, there is also a connection to the A 620 autobahn.

The scope of services includes not only transport, transhipment and warehousing,

but also technical services:
- Placement and processing of fleet vehicles
- Inspection and quality controls
- Installation of peripheral equipment
- Mechanics and bodywork
- Partial or complete paintwork

Vehicle assessment
Take-back process of fleet and leasing vehicles

Used vehicle processing
Assessment, cleaning, repair, maintenance, sales promotion and Smart- and Spot-Repair

and special vehicle construction
Individual special solutions and modifications of cars, HGVs and vans for authorities, municipalities and trades.

The Mosolf Group moves more than 2,300,000 vehicles a year with 2,000 employees, 800 special (vehicle) transporters, 300 railway cars and over 30 technology and logistics centres in Europe, Brazil and India. The family business founded in 1955 headquartered in Kirchheim unter Teck is thus one of the leading system service providers for the automotive industry in Europe. Within this framework, Mosolf offers integrated and customer-oriented solutions for the automotive industry and fleet operators from one source and also maps the corresponding data flow on site using modern software solutions.

Year founded
1981

Number of employees
140

Managing Director
Peter Mosolf, Bruno Bleicher

Contact
Tatjana Köppel, Volker Neth and Jürgen Fritz

Target groups/sectors
Automobile manufacturers, importers, fleet customers and automotive trade

Auto-Service-Center Überherrn GmbH
Langwies 101, D-66802 Überherrn
Phone: +49 (0)6836 808-0
Fax: +49 (0)6836 808-11
Mail: mosolf@mosolf.de
www.mosolf.de
Carl Duisberg Centren has provided further training and qualification to executives for over 50 years. The company offers customised language courses and intercultural competence training to meet its customers’ specific needs.

**Language courses for companies**

We are specialised in courses for professional specialists and executives who:

- Need to communicate with customers and staff in a foreign language
- Will be relocated abroad by their employer
- Have been relocated to Germany
- Need to prepare for specific meetings
- Need a course that is flexible in terms of time and place
- Want to actively improve their language skills in a pleasant atmosphere, e.g. to prepare for challenging negotiations
- Lead a multi-national team and need to integrate people of various cultures

**Additional offers for companies**

- Language travel for professional specialists and executives
- Intercultural training

**Additional offers for children/young adults/adults**

- Student exchange programme (high school year) worldwide
- International boarding school placement
- Language travel for kids
- Language camps for kids
- German courses
- Language travel and work & travel programmes for young adults
- Tests and preparation
- Intercultural trainer certification programme

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**Carl Duisberg Centren gemeinnützige GmbH**

Mecklenburgstr 1, D-66121 Saarbrücken
Phone: +49 (0)681 81909-0
Fax: +49 (0)681 81909-113
Mail: saarbruecken@cdc.de
www.cdc.de

**Year founded**
1962

**Number of employees**
150

**Director**
Dr. Kai B. Schnieders

**Contact**
Ellen Awais

**Target groups/sectors**
Professional specialists and executives
Human resources
Education
Management training
CETECOM ICT Services GmbH

CETECOM – Testing and certification – independent and practice-oriented

Based in Saarbrücken, CETECOM has been demonstrating its proficiency as a point of contact for all issues associated with the launch of telecommunication devices or other electronic products for 15 years.

CETECOM conducts qualified and independent tests for virtually all sectors, which ensure the functionality and safety of devices and systems. They form the basis for the swift introduction of products into international markets.

CETECOM offers testing for virtually all sectors

With its many years of operations in the IT and telecommunications sector, CETECOM always keeps track of the latest trends. Its testing and certification portfolio has been continually extended during the past few years. The automotive sector is also among the clients of the company. In addition to regulatory testing, CETECOM also offers customised testing in the automotive sector for a variety of vehicle manufacturers.

Up to date: Environmental testing is becoming more and more important

Environmental tests are very much in vogue, which ensure the functioning of devices under extreme environmental influences. Whether vibration, climate simulation or IP classification (IP = International Protection), CETECOM is the first port of call for companies wishing to put their product to the acid test.

CETECOM’s test centres are equipped with state-of-the-art testing systems from reputable manufacturers. By continually investing in technical facilities, the company is able to keep pace with the technological developments of the market at all times.

Year founded
1998

Number of employees
120

Director
Gerhard Schirra

Contact
Andreas Ehre

Target groups/sectors
Innovative service providers

CETECOM ICT Services GmbH
Untertürkheimer Straße 6-10, D-66117 Saarbrücken
Phone: +49 (0)681 598-0
Fax: +49 (0)681 598-9075
Mail: ict@cetecom.com
www.cetecom.com
DACHSER GmbH & Co. KG

The family-owned enterprise Dachser with 21,650 members of staff at 347 locations across the world is one of the leading logistics service providers in Europe. Owing to its high degree of expertise in IT, the company sets cutting-edge standards in the sector as an innovative leader to optimise logistics processes.

The range of services offered by the company encompasses contract logistics solutions, pan-European general cargo and freight transport, global air and sea freight, Dachser Food Logistics, warehousing as well as IT.

With its land-based network of 347 locations developed across Europe, Dachser has the infrastructure required to be able to offer high-quality logistics services.

A total of 569 employees work at the site in Überherrn to ensure the comprehensive procurement and distribution of goods all over Europe. 232 destinations in 36 countries are connected to Überherrn and can be reached between 24 and 48 hours by means of the Eurohub. The core tasks performed by the company do not only include procurement and distribution but also warehousing in connection with value-added services such as order picking and display construction, to name but a few. Logistikzentrum Saarland has been offering contract logistics since 2007 and has over 50,000 pallet storage spaces at its disposal.

With its exceptionally strong pan-European network and its high degree of expertise in information technology, Dachser symbolises outstanding quality.

Products and services

- Contract logistics
- Pan-European general cargo and freight transport
- Global air & sea logistics
- Food logistics
- Warehousing
- IT service
- DIY logistics
- Supply chain
- Outsourcing
- Logistics consulting
- Eurohub

DACHSER GmbH & Co. KG
Logistikzentrum Saarland
Thomas-Dachser-Straße 1, 66802 Überherrn
Phone: +49 (0)6836 4711-112
Fax: +49 (0)6836 4711-119
Mail: angela.schmitt@dachser.com
www.dachser.com

Year founded
1930

Number of employees
569 in Überherrn

Branch Manager
Dieter Rößner

Contact
Angela Schmitt

Certification
DIN EN ISO 9001:2000
IFS Logistics

Target groups/sectors
Industrial and commercial enterprises
The European Research and Project Office GmbH – Eurice offers support to scientists, entrepreneurs and large companies in successfully participating in European funding programmes for research and innovation: from the first project idea followed by the strategic planning and successful implementation of the project to the exploitation of the research results. Eurice was founded in 2000 as a spin-off company from Saarland University and is among the largest European consulting companies for international scientific projects. As a highly innovative SME, Eurice regularly occupies a leading position in the corresponding rankings.

From 2000 until today, the Eurice team of experts consisting of 40 consultants headed by Director Jörg Scherer has been involved in the implementation of more than 250 European cooperation projects in research and technology, covering all major areas of research. Special focus is placed on research projects in the fields of medicine, biotechnology, material science and computer science.

Applying creative solutions and customised services in the areas of project management, communication management as well as innovation management, Eurice has firmly established itself as an expert and highly valued partner in Brussels and within the European research landscape.

As a key partner in European initiatives aimed at better protecting and commercialising research results, Eurice also advises/provides consultancy services to project consortia on topics such as knowledge and technology transfer.

Focused on the new EU research funding programme “Horizon 2020” (funding period 2014-2020), the Eurice team of experts will also in the future initiate innovative ideas and projects in the context of European and international research networks.

**Eurice – European Research and Project Office GmbH**

Science Park 1, D-66123 Saarbrücken
Phone: +49 (0)681 9592-3360
Fax: +49 (0)681 9592-3370
Mail: contact-us@eurice.eu
www.eurice.eu
Europe’s Number One transport service provider

We are your partner of choice for complete lorry consignments from and to all parts of Europe, in the Middle East and in parts of Asia. Since 1951 we have been continuously expanding our international lorry networks – we were one of the pioneers in the development of transport links in Eastern Europe. Thanks to our extensive network of clients and partners and our focus on our core business of complete lorry consignments, we are now one of the most effective transport service providers in Europe.

We use modern equipment from transport companies tested and certified by us to transport your products – if required, special equipment is available. We have cargo space throughout Europe. Using a large number of our own trailers, we exploit the advantages of intermodal transportation by sea, rail and road: saving resources and protecting the environment.

Our logistical network is based on individual profit centres, run on their own by native speakers. For our clients this means: Intercultural communication, short distances and fast response times over the entire length of the supply chain. We use state-of-the-art EDP systems to continuously work on optimising your logistical processes.

Our modern communication services connect business partners quickly, securely and inexpensively to a network. This leads to a reduction in the process costs and improvements in the planning security of all participating companies.

The effectiveness of our Total Quality Management system has been confirmed by ISO certification and the safety and quality assessment system of the European Chemical Industry Council.
As a certification service provider we offer a wide variety of certifications in accordance with national and international standards.

GZQ is accredited by Deutsche Akkreditierungsstelle DAKKS (German Accreditation Agency), approved competent body by Bundesagentur für Arbeit (Federal Employment Agency) and Technische Überwachungsorganisation TÜV (Technical Inspection Organisation) by Landesamt für Umwelt- und Arbeitsschutz des Saarlandes (Land Office for the Protection of the Environment and Occupational Health and Safety).

**Scope of services**

**Quality Management**
in accordance with DIN EN ISO 9001

**Environmental Management**
in accordance with DIN EN ISO 14001

**Specialised Waste Management Company**
in accordance with ElbV
(German Ordinance on Specialised Waste Management Companies)

**Energy Management**
in accordance with DIN EN ISO 50001

**Approval of Training Providers and Training Programmes**
in accordance with AZAV / SGB III
(Accreditation + Approval for Employment Promotion / German Social Code)

**Occupational Health and Safety Management**
in accordance with OHSAS 18001

**Pre-qualification of service providers**
in accordance with § 126 SGB V
(German Social Code)

further certifications upon request

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**Year founded**

1995

**Number of employees**

15

**Director**

Thomas Scherer

**Contact**

Thomas Scherer

**Target groups/sectors**

Mechanical engineering, metalworking and metal processing, electrical engineering, plastics processing, recycling, construction industry, education, transport industry, commerce, engineering offices, car workshops, healthcare and social welfare, service industry

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**GZQ Gesellschaft zur Zertifizierung von Qualitäts- und Umweltmanagement-Systemen mbH**

Sulzbachtalstraße 131, D-66125 Saarbrücken

Phone: +49 (0)6897 96595-0
Fax: +49 (0)6897 96595-12
Mail: info@gzq.de

www.gzq.de
HL Handling Logistics GmbH develops integrated logistics services and professionally manages the end-to-end supply chain of industrial companies – from storage, industrial pre-assembly, delivery services through to the delivery of goods to the place of use, just-in-time or just-in-sequence. In this connection, the logistics service provider fully adjusts its processes to those of its customers and works in parallel to their industrial production, 24hrs /365 days if required.

Besides the broad spectrum of logistics services, HL Handling Logistics is the right partner to streamline production Processes and gain efficiency amongst the distribution flow, thereby reducing production costs. With extremely well-trained employees and especially developed, flexible IT systems the company fully responds to the requirements of its customers and is an absolutely reliable partner for the handling of the increasing complexity of global material supply chains. Although HL Handling Logistics is specialised in automotive production and supply chain processes, it also offers its successful automotive concepts to companies and customers outside the automotive industry.

**Services**
- Logistics services
- Industrial assembly
- Industrial pre-assembly
- Contracted logistics services
- Storage and warehouse management
- Consultation services

**HL Handling Logistics GmbH**
Werner-von-Siemens-Straße 33, D-66793 Saarwellingen
Phone: +49 (0)6838 98121-0
Fax: +49 (0)6838 98121-200
Mail: info@hllogistics.de
www.hllogistics.de

**Year founded**
2010

**Number of employees**
about 50

**Director**
Thomas Bauch

**Contact**
Michael Terzenbach

**Target groups/sectors**
Logistics services
Hotel Am Triller is a family-run establishment with a long-standing tradition. It is of a contemporary design and located in the green and exclusive residential area Triller with extraordinary and individually designed themed rooms. The themes on the hotel floors currently range from Musée de Paris, to Light and Nature, Impressions and Planet Ocean through to Seventh Heaven. The rooms boast 32”-37” flat screen televisions of the newest LG generation, providing the guests with an extensive choice of 39 channels as well as a Sky sport package and WLAN, both of which are free of charge.

The **** first-class design hotel “Hotel Am Triller” has been among the region’s best and most significant hotels for more than 50 years. The hotel achieves its trailblazing status by means of continual innovations as well as the implementation of new ideas and trends. In this connection, it was also the first theme hotel in Saarland and the first hotel with an organically certified gourmet restaurant.

In the hotel restaurant featuring a dining-room and bistro, connoisseurs and gourmets are served exquisite, light, Mediterranean culinary delights as well as hearty dishes and local specialities using organic ingredients. For events, the hotel offers banquet rooms as the ideal venue for celebrations as well as conference rooms equipped with technology to meet the requirements of business guests.

The latest trend at Hotel Am Triller is the Segway Weekend, enabling fresh air enthusiasts, tourists and Saarbrücken fans to enjoy the city ‘floating’ around on this self-balancing transportation device.

The Triller INNOVATION 2013: After the renovation work in the summer of 2013, two floors of the hotel are now shining in renewed splendour with fantastic themes. There has never been anything like this before!

For more information, please visit [www.hotel-am-triller.de](http://www.hotel-am-triller.de)

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**Year founded**
1960

**Number of employees**
45

**Directors**
- Michael Bumb
- Björn Gehl-Bumb (Dipl.-Kfm.)

**Contact**
- Britta Walter
  (Assistant to the Directors)

**Target groups/sectors**
- Business guests
- Independent travellers

**Hotel Am Triller**
Trillerweg 57, D-66117 Saarbrücken
Phone: +49 (0)681 58000-0
Fax: +49 (0)681 58000-303
Mail: info@hotel-am-triller.de
[www.hotel-am-triller.de](http://www.hotel-am-triller.de)
IPL is an institute which has been operating on the international market for 25 years in the field of research & development, logistics consulting and qualification, and whose focus lies on the automotive and supplier industry. The knowledge and experience gained by the IPL in the automotive industry are also used for the realisation of projects in other industries, in particular in the investment and consumer goods industry.

More than 300 successfully realised projects have increased our strategy competence, methods competence and automotive industry competence constantly. The main focus is based on business excellence and the required processes and structures in logistics and production.

The clients of IPL from mid-tier and large-scale industry expect professional services which are demonstrated with a high degree of authenticity and responsibility in the management, towards the employees and in our fields of expertise. In addition, the services are performed in close cooperation with the individual areas of business at the institute and the internal and external resources integrated there.

**Strategy subjects:** supply chain management, lean logistics, logistics in- and outsourcing (requirements specification), Toyota production system, site selection, layout planning, organisational structure, key figure systems, value stream

**Operational subjects:** processing time, commissioning, warehouse and conveyor technology, material flow, tugger trains, Kanban, supplies, distribution, output, ergonomics, visualisation, training

**Reference companies:** Aeroquip, Agie (CH), AUDI, Avery (L), AutoVaz (RUS), Bauknecht, Behr, BMW, Bosch, DuPont, Eberspächer, Ford, Freudenberg, Grohe, Hydac, Interlübe, ISE, Knorr-Bremse, Viast, Kostal, Lumel [PL], Mahle, Merk, Nedashroef, Nemak, Norma, odelo [D, SL], Opel/GM, Osram, Pall, Panopa, Faurecia, Saarpor, SHW, Siemens, SMR [H], Sphinx [NL], Steelcase [F], TMD, Valeo, Volkswagen, ZF
The competent full-service logistic provider for Automotive and Industry

We work out, in detail with our customers, how our solutions can beat any existing or planned in-house solutions in terms of efficiency, cost reduction and innovation.

With our willingness to invest, we ensure sustainable and future-proof productivity. Fast and flexible action and intense involvement with the current needs of our customers bring us as partners, together, steadily moving forward.

This applies of course to all business segments of the ISL GROUP: ISL AUTOMOTIVE, ISL INNOVATIVE SYSTEM LOGISTICS, and ISL IMMOLOGIS – and it goes without saying, to each of our production facilities. Here we rely on a high degree of integration that allows us to be very close to the customer and to cooperate most efficiently.

For over ten years the independent ISL GROUP has been a reliable, stable partner, who always has the prospects and future needs of its customers and partners in mind.

Explore your opportunities to further optimize the value chain with ISL

We offer comprehensive logistics solutions for automotive manufacturers, automobile suppliers and industry. You can rely on an independent, dependable, future-oriented, and long-term thinking partner, who will support you in developing and fulfilling value-added potential for your entire supply chain.

And this is what we – the full-service logistics provider ISL GROUP – can do for you:
- Supply logistics
- Module assembly
- Transports
- Information technology
- Supply chain management
- Packaging logistics
- Value added services

Talk to us about your individual requirements!

ISL Group Management GmbH
Werner-von-Siemens-Straße 42, D-66793 Saarwellingen
Phone: +49 (0)6831 9636-80
Fax: +49 (0)6831 9636-77
Mail: info@isl-group.eu
www.isl-group.eu
juris GmbH

juris – Das Rechtsportal is the Number One legal database in Germany and contains millions of documents from legal and commercial practice, updated daily. Jurists in law firms, government agencies, courts, companies and universities work with juris. Much more than just a gigantic online knowledge database, juris offers to these specialists precisely the information they require during their work every day. juris features a comprehensive collection of relevant court decisions and laws, supplemented by digitalised commentaries, manuals, e-books and journals which have been made available by its content partners, legal publishers who are proud of their long and rich traditions. The scope of this content ranges across a broad spectrum of legal areas and is linked to the laws and court decisions stored in juris. Anyone using juris while doing research for legal information has access to these comprehensive materials from a single, centralised data platform.

Information to satisfy your demands and major content partners

But how do lawyers find exactly the documents which can help them to win a court case? They go to the intelligent search engines and special search masks in juris which have been tailored to be a perfect fit with jurists’ working methods. Users’ work is supported by an ergonomic user interface with a strong emphasis on intuitive operation which has been recognised by an award from the German Research Centre for Artificial Intelligence (DFKI). juris provides to users apps and mobile functions enabling research on mobile terminal devices such as smartphones and tablet PCs. Training for juris users is more and more frequently taking the form of virtual seminar rooms. Course participants in online programmes sit at their own desks while learning the tips and tricks which will enable them to perfect their own research activities in juris. In cooperation with the DAA, juris also offers online advanced training leading to the AnwaltZertifikat.

“A comprehensive treasure house of high-quality legal information which makes everyday life much easier for its users. This has been the outstanding characteristic of juris for almost 30 years. This is also our motivation for actively participating in the research conducted by the Institute for Law and Informatics at Saarland University.”

Samuel van Oostrom, Managing Director juris GmbH
karo-san GmbH

Cutting-edge technology
for sewer rehabilitation from Illingen

In the past, the rehabilitation and renewal of sewers and pipes involved road surfaces being torn up and the digging of long trenches. Today, however, karo-san Innovative Kanal- und Rohrleitungssanierung GmbH, based in Illingen, works underground, almost completely unnoticed by pedestrians and motorists. The benefits at a glance:

First of all, since no long trenches are necessary, the existing basic structure under the soil as well as trees and bushes are protected, and thus also the environment; secondly, road closures are avoided, enabling traffic to flow freely; thirdly, costs can be reduced by over 50 per cent or more, and the time required to carry out the work is minimised.

Various innovative technologies which have been developed by karo-san and are considered unique across Germany are used. The technology selected for each project depends on the requirements in each case. "No other company offers such an extensive range of rehabilitation technology", stresses Werner Zimmer, founder and director of karo-san.

The following trenchless methods are employed:

- **Pipe method**: Short pipe modules are inserted into the existing sewer, a swift, easy and reliable installation of the individual pipe modules.
- **Burst lining method**: Enables the trenchless renewal of faulty pipes regardless of the damage symptoms, even in the case of a total collapse. This method is carried out using the same pipeline route without the risk of calculations and without preparatory measures.
- **Special boreholes**: In the case, boreholes for house service connections are drilled from an extremely small foundation pit.
- **TV damage analysis**: TV systems developed specifically by karo-san are used in landfill sites, special drainage systems, house supply pipes or in the case of borehole damage.

The unique cutting-edge technology from karo-san for sewer rehabilitation saves time, lowers costs and protects the environment.

**Werner Zimmer**

**Year founded**
2005

**Number of employees**
20

**Directors**
Werner Zimmer and Arnold Weiland

**Contact**
Werner Zimmer

**Target groups/sectors**
Local authorities, supply and disposal companies, landfill site operators, industry

**karo-san Innovative Kanal- und Rohrleitungssanierung GmbH**

Karlstraße 13a, D-66557 Illingen
Phone: +49 (0)6825 8019-80
Fax: +49 (0)6825 8019-820
Mail: info@karosan.com

www.karosan.com
www.weiland-pipe-systems.com
KRÜGER DRUCK+VERLAG was founded in 1937. The family-run business with almost 100 members of staff has developed into one of the largest providers of printing services in South-West Germany.

Reliability, flexibility and quality awareness are the basis of the success achieved by the company.

Qualified members of staff and state-of-the-art machinery enable the company to make top-class quality print products such as catalogues, business reports, books, brochures, forms ...

The combination of sheet-fed offset and continuous printing creates additional possibilities for your print product.

KRÜGER DRUCK+VERLAG looks after its clients from pre-press to printing, print finishing (lacquering, punching, scoring ...) through to print finishing.

The company offers its services to its clients 24 hours a day.

Business areas in Dillingen (parent company)

- Continuous form printing
- Targets (shooting practice)

Business areas in Merzig (branch)

- Offset printing
- Further processing

KRÜGER DRUCK+VERLAG GmbH & Co. KG
Marktstraße 1, D-66763 Dillingen (parent company)
Phone: +49 (0)6831 975-118, Fax: +49 (0)6831 975-115
Handwerkstraße 8-10, D-66663 Merzig (branch)
Phone: +49 (0)6861 7002-0, Fax: +49 (0)6861 7002-161
www.kdv.de
Your economic success is our goal!

The success of a company has many facets: Customer service is essential. A sound financial basis is, however, just as important – and this does not depend solely on saving taxes. When it comes to this subject, it is good to be able to rely on expert advice from a strong partner. Dr. Friedbert Maier Steuerberatungsgesellschaft mbH lends its support to its clients with regard to this central issue, providing answers to any questions, such as: How can the solvency of the company be improved? How can costs be controlled? What do a company’s future projects look like expressed as figures? And, of course: How can unnecessary tax burdens be avoided and what amount of tax payments can be expected?

The tax consultancy company looks after and advises private individuals, old-established companies as well as start-ups.

The financial services rendered by the company range from comprehensive financial accounting and payroll accounting, including document exchange, to the preparation of the annual financial statements and tax returns through to consultancy services and simulations concerning business administration issues. Should companies wish to carry out accounting or payroll accounting themselves, Dr. Friedbert Maier Steuerberatungsgesellschaft mbH offers its advice on the choice of software, supports their members of staff in familiarising themselves with the programs and answers any subject and software-related questions which may arise.

The company also provides services in the field of private financial issues, demonstrating its proficiency as the point of contact in matters concerning early retirement, gifts and donations or the possibility of reducing the amount of tax prepayments.

Dr. Friedbert Maier Steuerberatungsgesellschaft mbH would be pleased to arrange an appointment without obligation to discuss your requirements and looks forward to the possibility of working with you in the future.

Year founded
2000

Number of employees
21

Director
Dr. Friedbert Maier

Contact
Dr. Friedbert Maier

Target groups/sectors
Companies and private individuals/ tax consultancy

Dr. Friedbert Maier
Steuerberatungsgesellschaft mbH
Universität, Science Park 2, D-66123 Saarbrücken
Phone: +49 (0)681 3946-510
Fax: +49 (0)681 3946-511
Mail: info@maier-steuerberater.de
www.maier-steuerberater.de
ORBIS AG

ORBIS is a business consultancy company that operates on an international level. ORBIS advises and supports international companies in issues ranging from their IT strategy and optimisation of business processes to system selection, system implementation and system integration. To do so, ORBIS makes use of the solutions provided by the market leaders SAP and Microsoft.

The core competencies cover classic Enterprise Resource Planning (ERP), Supply Chain Management (SCM), Logistics Execution (EWM/LES), Manufacturing Execution Systems (MES), Variant Management, Customer Relationship Management (CRM), Business Intelligence (BI) and Product Lifecycle Management (PLM).

Over 1,400 successfully completed client projects bear witness to the business consultancy expertise of the company and many years of professional experience. The company headquarters are in Saarbrücken, with additional branch establishments and subsidiaries in Bielefeld, Hamburg, Munich, Essen, Cham (CH), Paris (F), Strasbourg, Washington D.C. (USA), Shanghai (CN) and Beijing (CN).

Products and solutions

- Preconfigured sector-specific solutions based on SAP and Microsoft
- Best practices based on Microsoft Dynamics CRM
- Tailored solutions based on SAP and Microsoft
- International rollout projects (Europe, China, USA)
- iControl – BI-Suite based on Microsoft technology and templates for SAP modules
- ORBIS MES – manufacturing execution system based on SAP
- ORBIS Configuration Suite – solution for product selection and product configuration for complex products with a large number of variants
- ORBIS Product Cost Calculator – simplified cost estimation and quote creation in SAP
- Add-ons based on SAP

ORBIS AG
Nell-Breuering-Allee 3-5, D-66115 Saarbrücken
Phone: +49 (0)681 9924-0
Fax: +49 (0)681 9924-222
Mail: info@orbis.de
www.orbis.de

Year founded
1986

Number of employees
310

Board of Management
Thomas Gard
Stefan Mailänder

Contact
Andrea Klein

Target groups/sectors
International large and medium-sized companies, automotive supply, construction suppliers industry, electrical/electronics industry, machine and plant engineering, logistics, metal-, consumer products industry, retail, finance, pharmaceutical
The company Oriented Solutions Ltd. (OS) was founded in 2004 at the University of Saarland in Saarbrücken as an intercultural business consultancy and until today has its headquarters there, too. Other locations are represented by partners in Egypt and Saudi Arabia.

OS helps its partners to overcome economic, cultural and linguistic barriers. The company relies on a varied experience with the private sector, governmental bodies and agencies, international organisations, universities and other educational institutions especially in the German and Arab world.

**OS-Services**

**Consulting:** We assist our partners in the Arabic and German markets, starting with market research and site analysis, to training, to providing advice on corporate activities and optimisation of business processes (BPM/BPR). In addition, we inform our customers of specific legal provisions and their impact on their business activities.

**Language Services:** We translate to and from different languages such as Arabic, German, English and French. Our specialization consists in the transfer of information and knowledge through localisation. At OS, knowledge transfer is the basis of all activities which include the following: translation, localisation, software localisation, foreign language typesetting, translation services, language and cultural courses, dubbing and sound recordings.

**Training:** OS performs numerous training courses in Germany and in the Arabic region, particularly in the areas of business process optimisation, e-learning, intercultural preparation for Arabic and German business teams as well as intensive language courses.

We assist our partners in all matters arising from German and Arabic cultural features with our experience, knowledge and sustainability.

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**Oriented Solutions GmbH**

Science Park 2, D-66123 Saarbrücken
Phone: +49 (0)681 3798-371
Fax: +49 (0)681 3798-475
Mail: info@oriented-solutions.com
www.oriented-solutions.com
prego services GmbH

Growing demands, increasingly more complex processes, rising cost pressure – such aspects slow down companies in their ability to focus on their core business, thereby impeding their competitiveness.

This is where the portfolio of services offered by prego services GmbH comes in – to where companies require additional know-how and expertise. As a successful shared services company, prego services GmbH has been providing its clients with profound specialist and process knowledge in the fields of information technology, human resources, enterprise resource planning as well as billing services since 2001.

The experts at prego services know their clients’ issues and problems, enabling them to offer tailor-made solutions in a professional and flexible environment, ranging from consultancy services to implementation through to support.

A large number of reputable industrial enterprises, several federal agencies and 1. FC Kaiserslautern in the German Bundesliga already place their trust in the many years of experience gained by prego services GmbH.

Over 470 members of staff are employed by prego services at the facilities in Ludwigshafen and Saarbrücken, and the company achieved a turnover of some 74.6 million EUR in the business year 2011. The shareholders of prego services GmbH are the power-supply companies Enovos Deutschland AG, PFALZWERKE AKTIENGESELLSCHAFT and VSE AG.

prego services GmbH
Neugrabenweg 4, D-66123 Saarbrücken
Phone: +49 (0)681 95943-0
Fax: +49 (0)681 95943-1000
Mail: info@prego-services.de
www.prego-services.de

- Year founded
  2001

- Number of employees
  490

- Directors
  Christian Thum
  Andreas Tzschoppe-Kölling

- Contacts
  Marcel Wendt
  Katrin Müller (PR)

- Target groups/sectors
  Cross-sector services in the fields of IT, human resources, enterprise resource planning (ERP) and billing
ProChem GmbH has been manufacturing primary and end products for the chemical and pharmaceutical industries since 1998.

The company is a service provider in the field of toll manufacturing and exclusively carries out commission orders for its clients without producing any products of its own.

All of the customers’ recipes and manufacturing specifications are treated in strict confidence.

The collaboration based on mutual trust and respect between ProChem GmbH and the supervisory and licensing authorities enables the company to react swiftly and flexibly to new requirements and to implement them accordingly.

Benefit to the client: No planning and approval costs for new systems and no investments in new production facilities


**Range of services**

- synthesis
- drying
- blending
- grinding
- screening
- pastillation
- granulation
- extrusion
- compacting
- packing

**The benefits of outsourcing**

- Precise determination of costs
- Flexibility in the case of changes in product turnover
- Efficient production of small quantities
- Test phases for new products
- Bridging of capacity bottlenecks
- Support in the case of machine breakdowns

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**Year founded**

1998

**Number of employees**

56

**Directors**

Gerhard Jakobi and Maik Heidinger

**Contact**

Maik Heidinger

**Certification**

DIN EN ISO 9001:2008
DIN EN ISO 14001:2009
DIN EN ISO 50001:2011
OHRIS

**Target groups/sectors**

Chemical and pharmaceutical industries

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**ProChem GmbH**

Gewerbegebiet Wallfeld 12-14, D-66649 Oberthal

Phone: +49 (0)6854 9088-0

Fax: +49 (0)6854 9088-13

Mail: info@prochem-gmbh.de

www.prochem-gmbh.de
RAG Montan Immobilien GmbH

RAG Montan Immobilien offers extensive know-how and services from the development and realisation through to the marketing of real estate and land. The company manages the landed property of the RAG Group and develops industrially utilised areas into sought-after locations.

Successfully Shaping Change

The company manages a total of over 11,000 hectares of space, as well as around 1,700 buildings. RAG Montan Immobilien is actively involved in the innovative redevelopment of land sites to reinvigorate the immediate environment without disturbing the ecological balance.

These include commercial and industrial areas, locations for photovoltaic and wind power plants, modern residential areas, retail, green, leisure and recreation areas.

Currently RAG Montan Immobilien is redeveloping around 1,500 hectares of land space for pioneering projects. The development projects are always conducted in close cooperation with local authorities. The enterprise is able to offer an all-in-one complete range of services, from planning and development to the final stages of implementation and even further to a primary investment in building construction.

Following the regulations of the Federal Nature Protection Law RAG Montan Immobilien is duty-bound to compensate for all interventions in nature and the landscape. We offer our customers compensation management and compensation measures, and support them in the correct disposal of soil material.

With its four business units of Development, Renewable Energies, Environment and Management RAG Montan Immobilien successfully supports the structural change in the Saarland and Ruhr region. RAG Montan Immobilien stands for shaping the change.

RAG Montan Immobilien GmbH
Im Welterbe 1-8, D-45141 Essen
Büro Saar: Mellinweg 16, D-66280 Sulzbach
Phone: +49 (0)681 59188-1000
Fax: +49 (0)681 59188-3050
Mail: info@rag-montan-immobilien.de
www.rag-montan-immobilien.de

Year founded
1977

Number of employees
366

Directors
Prof. Dr. Hans-Peter Noll (CEO)
Peter Blaszyk
Theo Schlüter

Contact
Rudolf Krumm [Representative Saarland]

Target groups/sectors
Real estate
RAU GmbH + Co. KG Management- und Personalberatung is located in Saarbrücken, Germany. With a team comprising 15 network partners, the company is active throughout Europe, across a diverse range of sectors, for regional, national and international small and mid-sized enterprises as well as large companies. The services are not only geared towards companies, but also people who are looking to take on new career challenges or are striving for personal career development. The expertise in a number of languages forms the ideal foundation for successfully handling global projects.

The company has decades of management experience, which serves as the basis for its guiding principle: Consulting Competence: putting our experience to work for you. As experts, individual solutions tailored to customer requirements are developed, the clients receive active support and the company works together with them to realise their projects.

**Range of services**
- Management consulting
- Human resources consulting, recruitment and placement of specialists, experts and management personnel
- Search for and selection of experts and management personnel via ads
- Direct search/executive search within the company’s own research department
- Out/new placement
- Interim management
- Successor arrangement
- Coaching for experts and management personnel, career advice and job interview training
- Conflict management
- Advocatus
- Media service

The customers value the targeted, highly individual way of working at RAU GmbH + Co. KG Management- und Personalberatung, perfectly tailored to their needs, when it comes to recruiting qualified employees across all hierarchical levels. The experts can get people excited about new challenges, acquire the “right” candidate for your company, and thus boost your added value!

Professionals for outplacement: Free fall or gentle landing? They take you by the hand and lead you through every phase so that you can achieve a success rate of 98% for your new positioning.

RAU GmbH + Co. KG
Management- und Personalberatung
Talstraße 44, D-66119 Saarbrücken
Phone: +49 (0)681 9581000
Fax: +49 (0)681 9581010
Mail: rau@rau-mpb.de
www.rau-mpb.de
Nikolaus Rein GmbH

Swift and reliable transport of high-quality goods for over 75 years

Nikolaus Rein GmbH is not only the market leader in steel logistics in Saarland but also offers holistic logistics concepts tailored to suit each customer’s requirements.

The service extends from scheduling to loading through to transportation of the goods.

As a certified company with a state-of-the-art fleet of vehicles (e.g. semi-low loaders, telescopic trailers, cooling trailers, semi-trailers with troughs for coils and cranes) and with an extremely well-trained team, Nikolaus Rein GmbH guarantees comprehensive service to satisfy the highest of demands when it comes to quality. All of the vehicles are configured in line with customer requirements, they are GPS controlled and are equipped with a so-called on-board unit.

Both the company’s own vehicles and vehicles from other companies are serviced and maintained in the in-house workshop. The tasks include all kinds of repairs, servicing, production of special superstructures, officially approved brake service, online CAN-Bus diagnosis and assessment, etc.

The range of services offered by the company is completed by a diesel filling station as well as a number of service stations for commercial vehicles.

Nikolaus Rein GmbH
Carl-Zeiss-Straße 25, D-66740 Saarlouis
Phone: +49 (0)6831 9636-0
Fax: +49 (0)6831 9636-25
Mail: info@rein-spedition.de
www.rein-spedition.de

Year founded
1935

Number of employees
approx. 250 (fleet: 130)

Directors
Armin Rein and Marco Eglseder

Contacts
Armin Rein and Marco Eglseder

Target groups/sectors
Steel trade, steel logistics, automotive manufacturers, component suppliers to the automotive industry, construction materials logistics
Saarland – the whole world in the heart of Europe. Saarland Film GmbH promotes its home region in the Southwest of Germany as nothing less than one of the most versatile settings for film-making throughout Europe. Traditional heavy industries, idyllic natural landscapes, ancient and medieval cultural heritage and large-scale metropolitan structures – all within a short time’s reach of one another – make Saarland a highly attractive destination with boundless backdrops for professional film shoots.

In order to promote the region’s unique cinematic potential beyond its borders, Saarland Film (under the direction of Dr. Gerd Bauer) launched the Location Guide Saarland, a database which, comprising numerous film motifs and offering contact information for specialists, visualises the region as the multifaceted film location it is.

But professional filmmakers aren’t the only ones to profit from the online guide: thanks to the growing cinematic activity in the region, Saarland may experience a considerable increase in revenues. With its networks Location Guide Saarland and Production Guide, bringing together film professionals from all productions levels in the “Greater Region”, Saarland Film offers quick and easy access to the region’s cinematic infrastructure.

Location Guide Saarland follows in the footsteps of its older, trilingual brother, Location Guide Greater Region, which emerged from the cooperation between Luxembourg, the German-speaking Community of Belgium, the Eifel Region, Lorraine and Saarland. As its name implies, the Location Guide unfolds the Greater Region’s full cinematic potential, revealing to impassioned filmmakers the whole world in the heart of Europe.

Year founded
2008

Number of employees
2

Director
Dr. Gerd Bauer

Contact
Susanne Jacob

Target groups/sectors
Film commission
Film production
Film experts

**Saarland Film GmbH**
Nell-Breuning-Allee 6, D-66115 Saarbrücken
Tel.: +49 (0)681 38988-58
Fax: +49 (0)681 38988-20
Mail: info@saarland-film.de
www.saarland-film.de
**Saarländischer Rundfunk**

**Creating identity and indispensable:**
SR provides Saarländer with a feeling of “home”

Saarländischer Rundfunk is an independent station and is part of the public-service broadcasting in Germany and a member of ARD. Its organs are the Director, the Broadcasting Council and the Administrative Board. As a medium with its range of top-quality programmes on the radio, television and telemedia services, the institution enjoys a high degree of acceptance and is firmly anchored in the digital world. With its five radio stations SR 1 Europawelle, SR 2 KulturRadio, SR 3 Saarlandwelle, the radio station for young people 103.7 UnserDing and the Franco-German information radio station AntenneSaar, the TV channel SR Fernsehen, as a channel service provider for das Erste, ARTE, KiKa, Phoenix, 3sat and the ARD digital channels, with its range of Internet services SR-Online and SAARTEXT, Saarländischer Rundfunk takes responsibility for providing information, education, advice and entertainment covering the whole range of the traditional broadcasting remit.

SR creates identity for Saarland and, in doing so, is guided with constructive criticism by its supervisory bodies comprising the Broadcasting Council, Administrative Board and the Programme Advisory Board. As a medium, SR is beyond the control of the state; it scrutinises and comments on those with political responsibility in the state. It is the number one station for regional information and information from the Greater Region. It is the most French of all stations with a high degree of expertise in relation to France. It creates value added for our federal state as an economic and cultural factor. It is an employer providing qualified jobs and acts as a principal for a multitude of services, organisers and sponsors of awards for our region. In accordance with the slogan “My state. My station.” it conducted a survey among the inhabitants of Saarland to find out how they regarded “their” station. The study revealed that it is held in high esteem in the state.

**Range of services**

**Radio:** SR 1 Europawelle, SR 2 KulturRadio, SR 3 Saarlandwelle, 103.7 UnserDing, AntenneSaar – Franco-German information radio, KiRaKa (KinderRadioKanal [Children’s Radio Channel] – in association with WDR)

**Fernsehen:** SR Fernsehen, service provider for Das Erste, ARTE, KIKA, Phoenix, 3sat and the ARD digital channels

**Telemedia:** SR-Online, SAARTEXT

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**Saarländischer Rundfunk**

Funkhaus Halberg, D-66100 Saarbrücken

Phone: +49 (0)681 602-2040

Fax: +49 (0)681 602-2049

Mail: pmeyer@sr-online.de

www.sr-online.de

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**Year founded**
1956

**Number of employees**
810 (620 employees (with 561 established posts); 165 permanent freelancers; 25 trainees and interns)

**Director**
Prof. Thomas Kleist
“Planning and building today where we will be living and working tomorrow”

Whether as a promoter of businesses in the classical sense, a developer of large-scale projects or real estate manager – SHS Strukturholding Saar opens doors and acts as a partner when it comes to the business location Saarland and its further development. The State-owned Holding brings together five complementary subsidiaries under one roof, namely gwSaar, LEG Saar, SBB, LEG Service and WOGE Saar. The Holding covers all services from advising investors to land improvement through to turn-key construction and infrastructure projects, project, facility and real estate management. Short decision-making processes and coordinated procedures are a matter of course in the performance of these tasks.

A particular focus lies in the development and marketing of industrial and commercial sites by gwSaar. Following the master plan Industrial Sites Saarland, the SHS subsidiary is in the process of making four new locations available, covering a total area of 246 ha. This includes the industrial park “Lisdorfer Berg” to be developed in the future, one of the largest industrial site projects in the South West. Lisdorfer Berg is also a positive signal for the entire region in relation to new jobs”, states Thomas Schuck, Director of SHS.

The SHS Group also applies itself to a wide variety of issues related to tourism: Together with the specialist teams of its subsidiaries, it plays a significant role in creating a distinctive image for Saarland as a location for tourism. For instance, the Holding was responsible for overall funding, the handling of grants and project controlling regarding the construction of the spa and health resort Saarland Therme. It is handling the construction of the park centre (central unit) and infrastructure for the forthcoming Center Parcs Park Bostalsee.

SHS Strukturholding Saar GmbH
Franz-Josef-Röder-Straße 17, D-66119 Saarbrücken
Phone: +49 (0)681 9965-258
Mail: medien@strukturholding.de
www.strukturholding.de
United Parcel Service Deutschland Inc. & Co. OHG

UPS is a leading worldwide logistics enterprise, providing comprehensive solutions regarding the shipment of parcels and cargo, the promotion of international trade, and the use of state-of-the-art technology. The company’s head office is in Atlanta, Georgia, while the German headquarters are located in Neuss. UPS offers its services in over 220 countries and regions and delivers over 16.3 million packages and documents every day. In 2012, the company achieved total sales of 54.1 billion US $ with an annual delivery volume of 4.1 billion packages and documents.

UPS’s European air hub, located in Köln / Bonn, is of great significance both globally and in Europe beyond the borders of Germany. In addition to the airports in Louisville/Kentucky (USA) as well as Taipéh (Taiwan), the distribution centre at Köln/Bonn Airport has been the most important hub for international UPS air transport since 1986. The airport in North Rhine-Westphalia plays a key role in the European UPS Express network: Its central location with good infrastructure enables the company to be close to its customers.

Range of services

With the various express and standard services offered by the company, UPS client’s goods reach their destination at the desired time – across Germany, Europe or worldwide. Besides simply sending parcels and documents using the online solutions, deliveries can also be permanently tracked by means of the tracking tool at ups.com. Moreover, the UPS Returns® Service portfolio is available for returns. In addition to many other technical solutions, UPS also offers online billing and payment as well as a CO₂ neutral shipping programme with carbon neutral shipping options in 36 countries.
Wegener Härtetechnik was founded in 1984 as a tool hardening shop. Wegener made a name for itself in the field of hardness- and surface engineering with a high quality standard, continuity, reliability and last but not least with determined handling of the market. Today 50 highly motivated and qualified employees work hard to solve the heat treatment problems of our customers.

Our newest innovation at Wegener Härtetechnik is a 20-bar-vacuum hardening furnace ModulTherm™ with a “cold chamber” that meets highest demands in heat treatment.

Process- and product quality are continually controlled and documented in our own test laboratory.

This high quality standard and the state-of-the-art furnace technology are prerequisites for Wegener Härtetechnik to comply with DIN EN ISO 9001:2008 and TS 16949 quality systems.

**Wegener Härtetechnik offers the following processes**

- Vacuum hardening up to 1300°C with 20 bar nitrogen- or helium gas quenching
- Vacuum hardening with cold chamber quenching
- Vacuum hardening with warm bath simulation
- Vacuum carburizing – case hardening (carburizing) – with high pressure gas quenching
- Hardening and tempering, annealing, brazing, gas nitriding, plasma nitriding, component degreasing
- Sand blasting
- Metallurgical analysis

For many years suppliers of the automobile and mechanical engineering industry have trusted Wegener Härtetechnik with their products. Therefore the company has committed itself to keep the exact production process state-of-the-art. Wear-resistance, durability and highest demands are supreme criteria. For this Wegener Härtetechnik GmbH is optimally prepared.
Plastics engineering
Rubber
Ceramics
Nanotechnology
As an innovative, internationally operating company KTP has specialized in development and manufacturing of reusable transport packaging made of plastic since 1988 and is one of the leading container manufacturers of this kind in Europe.

With high quality standards, extensive know how and a sympathetic ear for the special requirements of its customers, KTP develops, produces and markets foldable, reusable transport containers made of plastic for large-volume and sensitive goods.

Creative ideas as well as continuous innovation processes in close cooperation with the users permanently give rise to new products or useful product upgrades, which meet the requests of the customers in respect of functionality, optimized handling and profitability.

Products and services
- Foldable, reusable plastic transport containers and inlays for large-volume and sensitive goods. Volume reduction up to 80%.
- Plastic pallets and containers in all common European, US and sea container dimensions for overseas shipping.
- Quad system as a replacement to wire-mesh box: compatible with wire-mesh box, no additional inlays required, existing wire-mesh box inlays can be used, costs saved by means of a return rate of 1:5.
- SmartFix®: one-piece container with rapid folding technology: saves time, space and costs.

KTP Kunststoff Palettentechnik GmbH
Saarstraße 1, D-66359 Bous
Phone: +49 (0)6834 9210-0
Fax: +49 (0)6834 9210-20
Mail: info@ktp-online.de
www.ktp-online.de
The Nanogate Group (Nanogate) is an internationally leading, integrated system supplier for high-performance surfaces.

The corporate group, which has been listed on the stock exchange since 2006, opens up the multifaceted possibilities arising from multi-functional surfaces based on new materials for companies in various sectors.

With its declaration of “a world of new surfaces”, Nanogate lends substance to its claim of achieving a competitive edge for the products and value added of companies with intelligent surfaces. The company is committed to operating as a reliable partner to come up with forward-looking technologies and to enable them to be implemented in serial production with a high degree of quality.

Based on high standards of technology, Nanogate equips surfaces, such as ones from plastic and metal, with new functions and features (e.g. non-stick, anti-bacterial, protection from corrosion, scratch-proof, chemically resistant, protection against environmental influences).

Clients can rely on an extensive degree of expertise in innovative materials, including the available know-how in the field of nanomaterials, surfaces and structures, as well as many years of experience in serial production with regard to the finishing of multi-functional surfaces of two and three-dimensional components.

So far, the Nanogate Group has embarked upon several hundred projects concerning serial production. Furthermore, there are strategic cooperation projects with several international corporate groups. The Nanogate Group encompasses Nanogate Industrial Solutions GmbH, Eurogard B.V., Nanogate Textile & Care Systems GmbH, a majority interest in GfO Gesellschaft für Oberflächentechnik AG as well as Plastic-Design GmbH.
The company PALLMANN Mahlwerke (PMW) in Gersheim/Saar was founded in 1972 as a subsidiary of PALLMANN Maschinenfabrik in Zweibrücken. As a conventional service provider, the company is commissioned by its clients to mill and process cuttable materials. The range of services extends from size reduction using granulators, agglomeration, fine milling of plastics in degrees of fineness according to customer requirements, the packing of the final products right through to storage and the handling of logistics.

A total of around 20 size reduction systems are in operation at PMW.

PALLMANN Mahlwerke are certified in accordance with ISO 9001 and produce to an outstanding level of quality.

An extremely well-equipped laboratory tests each batch produced in view of the quality criteria and issues the appropriate certificates.

The clients who purchase the products made in Gersheim come from all over Europe. The plastic powder and granules from polyethylene, polypropylene etc. are employed in the production of everyday objects including, for example, dustbins, chairs and water butts. They are, however, also used as technical plastics (EVA, TPU, PMMA, PEG etc.) in flooring, toothpaste, cosmetics, insulating plaster, asphalt, tyres, powder coatings or detergent tabs. Even high-temperature plastics can be pulverised at PMW.

A further specialist field of PMW concerns the saving of finite resources: Mills and size reduction systems are used to process plastic production waste, carpets, foil remnants, insulating materials and carbon fibres delivered by the customers, thereby enabling these materials to flow back into the production process – an important contribution to environmental protection and the notion of sustainability.
Villeroy & Boch AG

Villeroy & Boch is a leading ceramics manufacturer and one of the most important international premium brands in the areas of bathroom and wellness, tableware and tiles. The company operates production facilities in Europe, Mexico and Thailand.

Villeroy & Boch offers innovative product and furnishing concepts for private customers and property developers. Using a variety of styles, “The House of Villeroy & Boch” stores present the “single-source bathroom” and “completely laid table” concepts. Villeroy & Boch is represented in 125 countries with its high-quality products.

As early as the mid-19th century, Villeroy & Boch already had a presence beyond Europe in Russia, China and the USA, and the company made an important contribution to the democratisation of tableware and bathroom culture.

However, the importance of the brand is not only based on its 265-year tradition. From the early days, Villeroy & Boch was a pioneer in the fields of innovative materials, production techniques and, in particular, design. This is reflected in the wide range of design and innovation prizes the company has won.

Products/Services

Bathroom and Wellness
- Ceramic bathroom collections
- Bathroom furniture
- Shower, tub and whirlpool systems
- Fittings
- Accessories
- Kitchen sinks

Tableware
- High-quality tableware, crystal, cutlery
- Kitchen and tableware textiles
- Gift items
- Accessories

Year founded
1748

Number of employees
about 7,500

Executive Board
Frank Göring (Chairman), Jörg Wahlers, Andreas Pfeiffer, Nicolas Luc Villeroy

Contact
Almut Kellermeyer

Certification
ISO 9001, ISO 14001 (several production facilities), EMAS (several production facilities), Umweltpakt Saar

Target groups/sectors
Trade and the skilled trades, architects, planners, interior designers and furnishers

Villeroy & Boch AG
Saaruferstraße, D-66693 Mettlach
Phone: +49 (0)6864 81-0
Fax: +49 (0)6864 81-2692
Mail: kellermeyer.almut@villeroy-boch.com
www.villeroy-boch.com
Mechanical and plant engineering
Steel construction
Suppliers to the mining industry
Hydraulics
Becker Mining Systems AG

From Germany to the Rest of the World

Becker Mining Systems based in Friedrichsthal is a system supplier of mining infrastructure. With 1,800 employees in every essential mining region, the company, which is completely family-owned, sells its products to the leading mining companies of the world.

In addition to Germany, Becker Mining Systems is also represented by its own subsidiaries in France, Poland, Russia, China, South Africa, Australia, the United States, Canada, and Chile. Since the middle of the 1980s, Becker Mining Systems has followed a consistent internationalisation strategy and thus countered the receding mining market in its home country.

Becker Mining Systems is the only worldwide supplier of complete energy, automation, communication, and transportation infrastructure for the underground mining industry. It is one of the technology leaders in its markets. The products can be used in all mining operations and fulfil even the highest demands for use in explosive atmospheres. The customers mainly extract coal, gold, and platinum.

Becker Mining Systems can look back at strong growth in the last few decades. Becker Mining Systems is active in almost all important mining markets worldwide, and most of the largest mining companies are on its list of customers.
The company esser saar machinery gmbh is an international manufacturer of hydraulic cylinders and hydraulic valves for application in mechanical and hydraulic plant engineering, particularly for application in mining and offshore engineering.

The company’s products are employed successfully all over the world. The hydraulic legs and hydraulic cylinders tested under the toughest of conditions in mines feature a high degree of efficiency and quality.

The know-how and experience of the members of staff at esser are available to the customers at all times in the case of technical order planning and processing.

Coating technology

Duroplast polymeric coating is applied using a procedure developed and patented by esser saar machinery. The coating is ideally suited for the new production and repair of hydraulic cylinders and is known for its high degree of corrosion resistance.

Spraying and fusing of self-fluxing alloys – with this thermal spray technology nickel-chrome powder is sprayed onto the surface and subsequently fused by means of inductive heating. The advantage is good corrosion protection with very good mechanical properties.

Build-up welding process is large-size welding on. Cladding – large-scale deposit welding of components Layer thicknesses of up to several millimetres are achieved with good corrosion protection and hardness.

In addition to the company’s own coatings, all conventional coatings like bronze, hard chrome or zinc-iron can also be offered for its products.

Year founded
1981

Number of employees
53

Director
Bernd König

Contact
Nataliya Kachalova (Assistant to the Director)
Christian Rohe (Engineering)
Sarah Britz (Purchasing)

Certification
DIN EN ISO 9001:2008
DIN EN 14001:2009

Target groups/sectors
Mechanical engineering, mining, offshore engineering
GLOBAL RETOOL GROUP GmbH

Market Leader in Retooling, Overhauling and Service of Machine Tools Worldwide

The Global Retool Group combines the expertise and the products of the companies SVQ GmbH, WEMA VOGTLAND Technology GmbH and SATEG Steuerungs- und Automatisierungstechnik GmbH as well as the brands SPICHER and SIEPMANN.

With these five players, some of which can look back on more than one hundred years of company tradition, the Group offers a unique combination of machine building, controls and automation technology, fixture technology and part loading and handling technology, which makes the company a worldwide renowned turn-key specialist and system integrator.

With manufacturing and assembly plants in Germany, China and North America, the Group ensures a worldwide presence enabling them to offer consistent partnerships to their customers in international projects and at all their production facilities around the globe.

Everywhere in the world car manufacturers, component suppliers and many other industries place their confidence in the diverse products and technical services of the Global Retool Group.

The products and services at a glance:

- Retooling, modernisation, overhauling and relocation of machinery
- Conveying systems, robots and gantries for component handling and interlinking of manufacturing machines and cells
- Fixtures for metal cutting
- Welding fixtures, welding cells and complete welding lines
- Grinding machines and cells for manufacturing of knives, machine blades and hand tools
- Controls and automation technology for virtually any kind of machine, control cabinet build, controls retrofit

GLOBAL RETOOL GROUP GmbH
Hans-Schardt-Straße 1, D-66822 Lebach
Phone: +49 (0)6881 96175-914
Fax: +49 (0)6881 96175-85
Mail: info@grg-gmbh.com
www.global-retool-group.com

Year founded
2004

Number of employees
320

Directors
Andreas Quak, Wilfried Clotten

Contact
Stephanie Schuppert

Target groups/sectors
Automotive and non-automotive customers
Founded in 1946, the company has meanwhile earned its place among the long-established, medium-sized enterprises in Saarland.

In the field of mining engineering, Hausalit is well known for the multiple applications of its drilling and loading machine HS “MULTITALENT”.

The company permanently works hand in hand with its clients on further developments and improvements in order to satisfy the growing demands flexibly and economically.

The mining products have been used in Germany for decades and are now marketed all over the world. Following sales in Japan, Poland and Columbia, interest in these Multitalents has also been aroused in Turkey, the Ukraine, Russia and China.

In the area of industrial engineering, the company predominantly carries out repairs and inspections of hydraulic and pneumatic components, such as pumps, transmissions, valves and cylinders, for clients in Germany, France and Luxembourg.

The functionality of the repaired components is guaranteed by means of a test bench run performed after the repair work; in the case of pumps, with a test diagram.

Since 1970, Hausalit has been covering the requirements of public authorities as well as those of companies and private customers in the field of road traffic and signs engineering.

This line of business was supplemented in 1985 to include street furniture, fence technology and real estate security.

The entire range of products such as signs, bollards, palings, industrial gates, turnstiles, as well as electrically-operated barriers, is mounted professionally by the company’s own fitters.

Hausalit is certified in accordance with DIN EN ISO 9001:2008.

| Year founded | 1946 |
| Number of employees | 35 |
| Directors | Dipl.-Kfm. Harald Ullmann, Jürgen Haas |
| Contacts | Frank Stemmler (Signs, road traffic and fence technology), Daniel Held (Industrial and mining engineering) |
| Certification | DIN EN ISO 9001:2008 |
| Target groups/sectors | Underground mining, industry, municipalities and local authorities, private individuals |

HAUSALIT GmbH
Justus-von-Liebig-Straße 2, D-66280 Sulzbach/Saar
Phone: +49 (0)6897 5005-0
Fax: +49 (0)6897 5005-55
Mail: info@hausalit.com
www.hausalit.com
HYDAC International GmbH

The companies of HYDAC Group founded in 1963 are among the world’s leading manufacturers of components, subsystems and systems concerning fluid power technology, hydraulics and electronics.

The extensive range of products and expertise in development, production, sales and service worldwide enable the company to find innovative solutions to the most varied of tasks in diverse industrial sectors.

**Products and services**

- Filters and filter systems for liquid operating media
- Hydraulic accumulators
- Hydraulic pumps and motors
- Controlling and regulating valves, complete systems
- Hydraulic and lubricating systems
- Cooler, cooling systems
- Cylinders
- Ball valves and accessories
- Mounting systems for tubes, pipes and machine elements
- Electronic measuring devices and controls
- Electronic diagnosis and analysis measuring equipment

**HYDAC International GmbH**

**Vertriebs- und Verwaltungsgesellschaft**

Industriegebiet, D-66280 Sulzbach

Phone: +49 (0)6897 50901
Fax: +49 (0)6897 509577
Mail: info@hydac.com
www.hydac.com
The company has many years of experience and extensive know-how regarding the production of machine parts and complete machines.

Customised solutions are developed in the area of special-purpose mechanical engineering.

One of the most recent innovations is the planning, engineering and production of the foundry ladle cleaning system. The machine is used to remove iron dross and casting residue immediately after casting without destroying the fireclay brick lining. The foundry ladle is thus ready for use again within a very short period of time.

**Products**

**Plant construction**
- Welded constructions with mechanical processing
- Foundry ladle cleaning system
- Cutter heads, shearer drums, cutter holders
- Special-purpose mechanical engineering

**Gate construction**
- Automatic door and gate systems
- Gates for industrial applications and private households
- Door and gate controls
- Drives for all types of doors and gates
- Security doors and gates (against burglary and firearms)
- Rolling and folding grilles
- Fire doors and gates

**Services**
- Planning
- Engineering
- Production
- Repair
- Maintenance/services

** KRUMMENAUER Anlagenbau GmbH **

Wellesweilerstraße 95, D-66538 Neunkirchen
Phone: +49 (0)6821 105-0
Fax: +49 (0)6821 105-106
Mail: anlagenbau@krummenauer.de
www.krummenauer.de
Schmiedag GmbH

Schmiedag GmbH is specialised in the hot forming of unalloyed and high-alloyed steel as well as special steel and heat treatment.

These are processes during which modern CAD/CAM systems are applied for the construction and FEM-calculations for the process analysis. In the facilities in Hagen and Homburg/Saar, Schmiedag produces components for heavy engines, commercial vehicles, engine building as well as for the automotive industry. In doing so, unit weights of up to 450 kilograms can be achieved. Furthermore, Schmiedag GmbH offers more value-added productions steps, ranging from mechanical pre- and finish machining through to fully finished components.

Since 2000 the company has been investing heavily in modern CNC production and automation. On the Homburg premises, the company machines forge parts at a total of 14 state-of-the-art counter spindle or multiple spindle devices, machining centres and toothing machines with well-engineered process and measuring data recording.

One core area of expertise in mechanical engineering is the production of eccentric shafts for passenger cars and the light commercial vehicle sector. Furthermore, Schmiedag produces camshafts for conventional in-line pump assemblies, which are applicable in the heavy commercial vehicle, vessel- and stationary engine sector. The range of machining technologies is completed by friction welding components for the construction machinery. With about 4 billion eccentric shafts and more than one billion camshafts and piston rods, Schmiedag GmbH is among the major suppliers of Common Rail components in Saarland.

Schmiedag GmbH
Grüntaler Straße 11, D-58089 Hagen
Werk Homburg
Bexbacher Straße 53, 66424 Homburg
Phone: +49 (0)6841 706-0
Fax: +49 (0)6841 706-204
Mail: m.wulfraht@schmiedag.de
www.schmiedag.de

Year founded
1824

Number of employees
241 in Hagen, 43 in Homburg

Director
Dr. Alexis Bömcke (CTO)
Mark Martin (CFO)

Contact
Olaf Tischler

Target groups/sectors
Automotive, drive components, common rail systems
SGGT Hydraulik GmbH based in Neunkirchen offers system technology and service concerning all aspects of descaling and water hydraulics. Systems built by SGGT are employed wherever high pressure – mostly in combination with large flow rates – is required; for example, in the metal industry, in the descaling of slabs, billets, hot-rolled strip and forged parts as well as the generation of pressure using water hydraulics for presses and water-hydraulic systems.

SGGT Hydraulik GmbH offers complete solutions ranging from consultancy services and planning to the engineering and construction of the plants through to commissioning and training courses.

**Products and services**

- **Systems engineering:**
  - Pressurised water systems and accumulator systems (incl. modernisation)
  - Descaling plants
  - Saw cooling

- **Components:**
  - Press controls
  - High-pressure piston pumps
  - Own range of valves
  - (logic, stop and safety valves)

- **Service:**
  - Replacement parts, repair service
  - Commissioning
  - Training courses
  - Analysis and system optimisation

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**Year founded**
2001

**Number of employees**
13

**Directors**
Michael Kohler
Günter Gasiorek
Gregor Przybylla

**Contact**
Günter Gasiorek

**Target groups/sectors**
Steel industry (steel and rolling plants), forging, rubber industry, component suppliers to the automotive industry, timber industry, nuclear power plants, waste disposal facilities, testing plants, offshore

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**SGGT Hydraulik GmbH**
Am Nußkopf 35, D-66578 Landsweiler-Reden
Phone: +49 (0)6821 92083-0
Fax: +49 (0)6821 92083-50
Mail: info@sggt-wh.de
www.sggt-wh.de
Transtec Fördertechnik GmbH

The medium-sized company based in Homburg/Saarland develops materials handling systems using a functional module design with its team of experienced engineers, designers and technicians. The company always provides optimal support and guidance to its clients as a proficient partner. This is the prerequisite for long-term collaboration based on mutual respect.

The company has gained a high degree of expertise in the fields of vacuum transport technology (here: transport of blanks) and weighing technology (here: bulk goods). Extensive projects can be implemented for a variety of sectors in a network of system partners.

**Special requirements need special technology.**

The modular strategy used in the execution of the system components results in the ability of the company to meet the high demands placed upon it. The symbiosis of know-how and quality is of great importance to enable products of the highest technical level to be offered to the clients.

The focus of Transtec Fördertechnik GmbH concerns function, performance, adaptability to increasing demands placed on projectable costs.

Of course, Transtec GmbH also supplies conventional conveying systems and belts.

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**Year founded**
1997

**Number of employees**
13

**Director**
Norbert Müller

**Contact**
Angelo Puglia

**Target groups/sectors**
Automotive, mechanical engineering, food and food processing industry, materials handling technology, bulk goods industry
TSCHAN GmbH – Neunkirchen/Saar – is a drive technology specialist that provides the mechanical engineering and construction industry with shaft couplings for the safe connection of machinery in the most diverse applications. With 90 years of experience starting in the local mining industry, Tschan has developed a reputation for excellent quality, service, and global orientation. TSCHAN GmbH has become one of the most successful companies in the field of flexible and torsionally rigid couplings.

Brands include TSCHAN-S, Nor-Mex, TSCHAN-B and the new highly-flexible TSCHAN RVS, which was introduced at the 2013 Hannover Fair. Tschan’s diverse coupling products offer shock-absorbing, operational safety, and energy efficient shaft connections.

Complemented by a wide selection of gear and all-steel couplings, TSCHAN products have proven their worth worldwide in various technological applications, such as the steel and metal industry, hoisting and materials handling technology, conventional and alternative power generation, pump and compressor drives, as well as in mining machines.

True to the motto, We Improve Your Torque Business, the professional staff of 115 qualified engineers and specialists, located at the production site in Neunkirchen, are dedicated to the continuous improvement and the further development of the comprehensive product range offered by the company. TSCHAN GmbH provides first-class service, open and active communication, and tailored solutions to fulfill any set of its customers’ requirements.

The extensive inventory of standardised components assures quick turnaround. The customer service team is available to provide thorough follow-up to any PT requirement. With a worldwide network of distribution partners, quick availability and excellent local support can be ensured to optimise drive technology solutions.

Year founded
1924

Number of employees
115

Directors
Norbert Telaar, Jürgen Guther

Contact
Norbert Telaar

Target groups/sectors
Machine engineering and plant construction

TSCHAN GmbH
Zweibrücker Straße 104, D-66538 Neunkirchen
Phone: +49 (0)6821 866-0
Fax: +49 (0)6821 866-4111
Mail: postmaster@tschan.de
www.tschan.de
VeCon GmbH

The VeCon Team gained a wide and profound knowledge in engineering and operation predominantly of stamp charged coke oven plants and coke oven equipment. Some of our crew have been working in this field for more than 30 years. They were engaged in leading positions in stamp charged coke plants and coke oven machine engineering divisions.

VeCon executes complete orders with its experienced personal resources for different disciplines like mechanics, hydraulics, pneumatics, electrics and automation.

The concept results in an integrated engineering, a minimization of risk interfaces, a high degree of flexibility and a perfect after-sales service.

The certified workshops permit not only first class quality and short delivery time but also the assembly and test-runs of complete machine units.

Products for coke plants

- World’s most modern stamping machines
- Stamp charged coke oven machinery up to 6.3 m
- Highly automated coke oven machinery
- State-of-the-art charging gas transfer systems
- Coke oven machine positioning system with +/- 3mm accuracy
- Integrated coke plant automation systems
- Hydraulic & mechanical door and door frame cleaning systems for a clean environment
- Compacted charging for heat recovery coke ovens

Other products

- Shroud tube manipulators for continuous casting plants
- Shroud tube equipment
- Casting machines for foundries

Services

Planning, engineering and design, execution, commissioning and consulting for all our products
VerMoTec joins – worldwide

The company offer customers detailed solutions for automated brazing, welding and handling problems.

VerMoTec is also able to help you to design your work pieces to ensure that "best quality” assembly and automated production will be achieved.

VerMoTec has more than 100 highly qualified employees, and an international reputation for excellence and quality.

Together with ELGA and SALDOMATIC – belonging to VerMoTec – customers are served in more than 70 countries, across five continents, and since 1957 a total of more than 7,000 individual machines have been designed, manufactured and shipped.

VerMoTec builds machines for flame and induction brazing as well as annealing and welding. The sales programme also includes filler metals and fluxes.

In the subcontract brazing division approx. 20 machines are installed for the brazing of mass components, mainly for the automotive industry.

For customers the following seminars are offered:

- Fundamentals of brazing and soft soldering
- Automatic flame brazing
- Automatic induction brazing
- Brazing under controlled atmosphere

VerMoTec – the road to automatic joining

Year founded
1993

Number of employees
approx. 100

Director
Wolfgang Baumann
Marcello de Cardenas

Contact
Yvonne Ewert

Certification
DIN EN ISO 9001:2008

Target groups/sectors
all segments of the metal industry

VerMoTec Sondermaschinenbauspezialist für Verbindungs- und Montagetechnik GmbH
Am Grubenstollen 11, D-66386 St. Ingbert
Phone: +49 (0)6894 3877-0
Fax: +49 (0)6894 3877-46
Mail: info@vermotec.de
www.vermotec.de
50 years of Woll
WOLL Maschinenbau GmbH – a family-run business for 50 years – and its sister company RITZ Maschinenbau GmbH, develop, manufacture and supply special machines, assembly lines and production systems with maximum precision and schedule reliability throughout the world.

Experience and quality
Around 160 people are employed at two company locations. Woll und Ritz utilise their decades of experience and rely on their highly qualified workforce, with the support of a management system that conforms to DIN EN ISO 9001:2000 along with a project management and ERP system.

Equipment and services
Backed up by a comprehensive machine pool, a superbly organised infrastructure, state-of-the-art communications systems and the use of the latest 3D-CAD systems such as Inventor, SolidWorks and CATIA, the company can realise projects of all sizes. The CAE system in operation is the latest E-PLAN version.

Assembly automation and process technology: Maximum benefits to the client
Custom solutions in assembly automation and process technology are the core areas of expertise of Woll and Ritz. Tailor-made, innovative concepts transformed into top-class, highly effective products that are extraordinary in every way: The very highest quality of development, production and commissioning, optimum availability and maximum process reliability combined with economy high degree of profitability. Available all around the world.

Sectors, clients, target group
For many years, the specialisation in assembly automation and process technology has made the company a reliable partner for renowned, globally active companies in medical technology, the pharmaceutical industry and the automotive sector. The client base also includes market leaders in testing technology, the electrical industry and the foodstuffs industry.

WOLL Maschinenbau GmbH
Krughütter Straße 93, D-66128 Saarbrücken
Phone: +49 (0)681 97024-0
Fax: +49 (0)681 97024-24
Mail: info@woll-maschinenbau.de
www.woll-maschinenbau.de
Measurement and control technology
Laboratory measuring technology
Allard Industrielle Messtechnik GmbH offers both tactile and optical measuring services. Regular investments have been made in new equipment and qualified personnel since it was founded in 1996 and the company has been able to gradually expand its service portfolio as a result. Allard Industrielle Messtechnik GmbH is, of course, accredited according to DIN EN ISO 17025:2005 and therefore meets the requirements of the industry. As a business associate of Carl Zeiss Oberkochen, the entire service portfolio of the Carl Zeiss company can be offered.

**Services**
- Optical measurements with GOM ATOS
- Tactile measurements with Zeiss coordinate measuring devices
- Roughness and contour measurements
- Reverse engineering
- Individual training sessions for Zeiss software
- Design and supply of devices and special probe elements
- Marketing of probe equipment and clamping elements

**Technical equipment**
- Zeiss Prismo 16/30/10 coordinate measuring device
- Zeiss Prismo 24/12/10 coordinate measuring device with turntable
- Zeiss Prismo 12/9/7 coordinate measuring device with turntable
- Zeiss UMC-850 coordinate measuring device with turntable
- Zeiss Surfcom 1800 a. 1900 roughness and contour measuring devices
- Profile projector
- Programming stations
- ATOS III scanner system from GOM
- TRITOP photogrammetry system

**Software equipment**
- Zeiss Calypso
- Zeiss UMESS-UX
- Zeiss Holos
- Zeiss ACCTee Pro
- ATOS 3D software
- TRITOP 3D software
- Rapidform XOR
- Solid Edge
- QS-STAT for static analyses
- IGS for compiling initial sample inspection reports

**Allard Industrielle Messtechnik GmbH**
Poensgen- und Pfahler-Straße 6, D-66386 St. Ingbert
Phone: +49 (0)6894 387609-0
Fax: +49 (0)6894 387609-29
Mail: info@allard.de
www.allard.de

**Year founded**
1996

**Number of employees**
13

**Directors**
Paul Allard, Karina Allard

**Contact**
Paul Allard, Karina Allard

**Target groups/sectors**
Tactile and optical measuring services
LIN SCAN Germany GmbH, founded in December 2012 by LIN SCAN Technology Group FZC in order to provide its technology, services and products to the European Market, is taking advantage of its location in Saarland and is now developing an Engineering and Service Team on site. It will also cooperate with universities as well as institutes of science and technology in order to improve the technological possibilities.

Since 2001, LIN SCAN has been providing pipeline inspection services and integrity support services for the global oil and gas industry. LIN SCAN has a huge fleet of cleaning, gauging and intelligent pigs at its disposal designed for the cleaning and inspection of pipelines. All of the equipment is designed and fabricated in-house and covers the full range of pipeline diameters. LIN SCAN also supplies cleaning pigs, pig traps (launchers & receivers) and provides specialised pipeline cleaning services. LIN SCAN has its corporate office established in United Arab Emirates and its subsidiaries in various countries including Russia, India, Qatar, Sudan, Algeria, Iraq and now in Saarland, Germany.

Below is a short list of services/supplies from LIN SCAN.

**Services and supplies**

- Pipeline mechanical and chemical cleaning services
- In-line inspection services with MFL, TFI and UT as well as Geometry (Caliper)
- Corrosion Growth Assessment (CGA) Reports
- XYZ Mapping
- Supply of Launchers, Receivers, Cleaning Pigs
- Providing Integrity Assessment, Failure Pressure Calculations
- Corrosion Growth Calculations, Fit For Purpose reports (FFP)
- Repair Recommendation Reports (RRR) and more
Foodstuffs
FLAVEX operates CO₂ extraction plants on lab scale, pilot-scale and production-scale units for processing solid and liquid materials. The company develops and optimises herbal extracts with special sensory characteristics or physiological effects.

Moreover, FLAVEX offers industrial customers assistance in finding solutions to specific separation problems from lab to production-scale units. In order to analyse the results, a laboratory is available with state-of-the-art equipment and members of staff with particular expertise in the analysis of natural products.

**Products and services**

In its production of herbal extracts, FLAVEX exclusively uses a cutting-edge, environmentally-friendly and gentle method, namely high-pressure extraction with carbon dioxide (CO₂).

CO₂ extracts are solvent free, 100 % natural, authentic and highly concentrated. All products are characterised, specified and documented by means of state-of-the-art analytical methods.

FLAVEX offers an extensive range of various herbal extracts which are marketed worldwide, predominantly in Germany, Europe and North America as flavourings, fragrances and active agents. Its customers are manufacturers of food flavourings, skincare cosmetic products and high-quality perfumes, food supplements and natural medicines as well as products for aromatherapy.

**FLAVEX Natureextrakte GmbH**

Nordstraße 7, D-66780 Rehlingen-Siersburg
Phone: +49 (0)6835 9195-0
Fax: +49 (0)6835 9195-95
Mail: info@flavex.com
www.flavex.com

**Year founded**
1986

**Number of employees**
47

**Directors**
Dr. Karl-Werner Quirin
Dr. Dieter Gerard

**Contact**
Dr. Karl-Werner Quirin

**Certification**
EU-Öko-VO 834/2007, USDA NOP, ISO 9001, ISO 14001, Kosher

**Target groups/sectors**
Flavourings industry, cosmetics and perfume industry, manufacturers of food supplements and natural medicines
“Growing together”

The Karlsberg Group, whose origins lie in the Karlsberg Brewery established in 1878, today operates in a multitude of core business areas. In addition to beer, the companies making up the Karlsberg Group offer beverages and services covering all aspects of day-to-day refreshment and enjoyment: from fruit juices to soft drinks through to transport and event services. As a result, the Group covers forward-looking and success-oriented segments of the market. The objective is to convince the customers by means of performance, quality and innovation, the corporate strategy that brings together the entire Group.

The powerful network created by the cross-border companies in the Group growing together does not only allow for optimal penetration of the market but also constitutes real value-added for customers, employees and partners.

Through the acquisition of a parcel of shares in Mineralbrunnen Überkingen-Teinach AG (MinAG), Karlsberg adds nationally leading mineral water brands such as Teinacher to its range from 2001. Trend-setting synergistic effects in the mineral water, soft drink and fruit juice business are realised with Tucano Holding, today a subsidiary of MinAG. The fruit juice brands Merziger Fruchtsäfte, Niehoff’s Vaihinger Fruchtsäfte as well as Klindworth Fruchtsäfte belong to Tucano Holding.

Moreover, the Karlsberg Group is the only enterprise in the German brewing industry to also have its own production facilities in France with the Brasserie Licorne. One of the focuses of production at the French daughter brewery concerns private labels which are supplied internationally to the major French trade centres in innovative trading units and packaging. A brewery plant in Canada has also been a member of the Karlsberg Group since 2011, where so-called malt coolers for the Canadian market are produced and sold.
Scheid AG & Co. KG + scheid-gewürzkontor gmbh

Scheid AG & Co. KG is among the leading manufacturers of additives, seasoning sauces and seasoning mixes for the meat processing industry and the convenience food sector.

Scheid has been applying itself to the tasty world of spices for more than 45 years. The focal point of the company’s activities concerns meeting the demands made upon itself to process exquisite spices of top-class quality from the best locations around the world into balanced blends.

Whether raw spices, harmoniously balanced blends for traditional sausages and cold meats and meat products such as “Fleischwurst” (Bologna sausage) and “Wiener” (Viennese sausage), liver sausages, ham sausage, salami or dry-cured ham or the company’s own creations for the aromatic production of other foodstuffs – Scheid has the required technology at its disposal and offers its clients the solutions they desire.

Although Scheid began its operations in 1966 with a number of innovations in the additives industry for cured products (raw and cooked ham), which received considerable attention, the company still covered all areas of meat production with special blends of additives from the outset. As a result, producers were and are in a position to optimise and standardise the manufacture of meat products.

Food specialists work in the in-house test centre and specialised technical laboratory on new combinations of additives, innovative foodstuffs as well as the appropriate technologies to produce and preserve appealing and tasty food.

The subsidiary “scheid-gewürzkontor gmbh” was founded in 2011. This new enterprise does not only cater to the needs of industrial users as before but also develops high-quality seasoning mixes for end consumers.

Scheid AG & Co. KG
+ scheid-gewürzkontor gmbh
Clasenweg 6-9, D-66802 Überherrn
Phone: +49 (0)6836 46-0
Fax: +49 (0)6836 46-38
Mail: info@scheid-gewuerze.de
www.scheid-gewuerze.de

Year founded
1966

Number of employees
110, 20 of whom are sales staff (Master butchers, food engineers, meat technicians)

CEO
Dr. Dieter Scheid

Contact
Dirk Kühling

Target groups/sectors
Industrial and artisanal producers of meat and sausage products, manufacturers of convenience food products, consumers interested in delicious seasonings
Environmental technology
Recycling
Waste disposal
Process engineering
Energy
EVS Entsorgungsverband Saar

Entsorgungsverband Saar (EVS), a special-purpose association of the municipalities of Saarland, is a proficient service provider of sewage disposal and treatment as well as waste management in the region. The association also organises the collection and transport of household waste – with the exception of a few local authorities, which have taken over these tasks themselves.

The range of activities in the field of waste management comprises the development of needs-oriented concepts in relation to disposal, recycling and charges, the disposal of residual waste in state-of-the-art waste incineration plants, the utilisation of organic waste, the development of a comprehensive network of EVS centres for reusable materials and the organisation of the collection of transport of waste (residual waste, organic waste, bulky waste, recovered paper and problematic substances). Moreover, EVS provides extensive information and advice to its clients by means of the EVS Customer Service and within the framework of various events.

In addition, the association is responsible for operating and maintaining its own waste utilisation plant in Velsen as well as the operation, maintenance and re-cultivation of the three central landfill sites and the maintenance of more than 30 disused landfills.

The services provided by EVS in the area of sewage treatment encompass the planning, construction, maintenance and operation of all municipal sewage treatment plants as well as the associated main collectors, pumping stations and rain water treatment plants.

Owing to its operation of 140 modern sewage treatment plants, EVS guarantees professional and up-to-date sewage treatment. The significant increase in the quality of the water of numerous streams and rivers over the past two decades demonstrates in sustained fashion that the association is actively committed to protecting the environment.

On account of its activities and investments, EVS is a major economic factor for the construction industry, engineering offices and waste management companies. EVS achieves a turnover of some 75 million euros in the field of waste, while its revenue from sewage treatment amounts to around 160 million euros.

Year founded
1998 through the amalgamation of Abwasserverband Saar (AVS, founded in 1952) with Kommunaler Abfallbeseitigungsverband (KABV, founded in 1980)

Number of employees
487 full-time jobs

General Manager
Dipl.-Ing. Karl Heinz Ecker
Dr. Heribert Gisch

Contact
Marianne Lehmann

Target groups/sectors
Municipal service providers of waste disposal and sewage treatment
proTerra Umweltschutz- und Managementberatung GmbH
Umweltgutachter

proTerra Umweltschutz- und Managementberatung GmbH Umweltgutachter is the proficient service provider for industrial and commercial clients concerning all aspects of environmental protection in the company, plant safety as well as ecology-oriented management. As a result of these services, licensing procedures and environmental projects, for example, can be carried out in a cost-efficient and targeted manner. The company lends its support in the following areas:

- Preparation and implementation of licensing procedures
- Compilation of application and licence documents
- Drawing up of expertises and documents
- Professional support and guidance with regard to the entire licensing procedure
- Statements in response to the conditions and incidental provisions attached to the granting of the licence sent to the respective applicant by the authorities
- Advice on the implementation of attached conditions and incidental provisions in day-to-day operations

**Scope of services:**

- External company-appointed officers for immission protection, waste, water pollution control, hazardous goods, major accidents, radiation protection, fire prevention and work safety specialists
- Publicly appointed and sworn experts (IHK Saarland – Saarland Chamber of Commerce and Industry)
  Recycling of scrap cars, licensing procedures, verification in the trade on greenhouse gas emissions
- Publicly announced experts for safety inspections, the certification of specialised waste management companies, inspections in accordance with Bundesbodenschutzgesetz (Federal Soil Protection Act)
- Health and safety coordinators
- Environmental experts in accordance with EMAS
- Accreditations and approvals in the following areas:
  - Organisation of environmental experts in accordance with EMAS, certification agency in accordance with BioSt-NachV (regulation on the requirements for sustainable production of liquid biomass) and BioKraft-NachV (regulation on the requirements for sustainable production of biofuels), technical inspection agency in accordance with EfbV (ordinance on specialised waste management companies), application filed to become a verification agency within the framework of TEHG (greenhouse gas emission trading act)
- Auditors
  - Quality management, environmental management, energy management, energy audits, occupational health and safety management, EMAS

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**Year founded**
2002

**Number of employees**
20

**Director**
Anton Backes

**Contact**
Anton Backes

**Target groups/sectors**
Manufacturing industry
VENSYS Energy AG

Vensys Energy AG develops and produces low-maintenance, gearless wind turbines in the megawatt and multi-watt range for high yields in strong and low wind sites. Platforms with 1.5 MW, 2.5 MW and 3 MW as well as rotor diameters of 70 to 120 metres form the basis for turbines optimised to suit the respective location with a high overall profitability, even on inland sites.

Vensys leads the way in terms of technology for wind power plants with direct drive and a synchronous generator with permanent magnet excitation, which achieve maximum efficiency even under partial and low load ranges.

Few low-wear components, maintenance-free blade pitch systems and grid-optimised full power converter systems guarantee operations with high availability and low maintenance under diverse grid and climatic conditions. Further advantages of the Vensys power plant are its compact design, large rotors with low tower head mass and the fully encapsulated air cooling system against environmental influences.

Highly efficient wind power plants: The alternative

Vensys, a spin-off from Saarland University of Applied Sciences (HTW) combines research and the innovative production of wind power plants and converter systems with project development and the award of licences as an alternative corporate group to form an international model of growth for “wind power made in Saarland”.

In as early as 2011, Vensys built the most gearless wind turbines erected all over the world. The number of installations has multiplied since 2010. At the end of 2012, more than 8,700 plants worldwide were connected to the grid with an output of over 13,000 MW. Reputable licensees with local production facilities in China, India, Brazil, Spain and Egypt have been instrumental in the successful growth achieved in the global wind power markets. Vensys provides support and know-how around the globe for the expansive development of renewable wind power.

VENSYS Energy AG
Im Langental 6, D-66539 Neunkirchen
Phone: +49 (0)6821 9517-0
Fax: +49 (0)6821 9517-411
Mail: vertrieb@vensys.de
www.vensys.de

Year founded
2000

Number of employees
230 (Vensys Group)

Board of Management
Jürgen Rinck (CEO)
Stefan Groß (Member of the Board)

Contact
Theodor Peters (Sales Manager)

Target groups/sectors
Power supply industry
Wind power investors
The VSE Group

Know-how in the field of energy and the environment for future-oriented solutions, cooperation projects for growth benefitting partners and customers, responsibility for the region, for the local economy and the people living here. This is the embodiment of the VSE Group.

Among its business fields are energy, telecommunications, technical and commercial services as well as meter and energy data services. Expertise, quality, innovation and collaboration: These are the standards set by the VSE Group which always serve as the basis for its entire operations.

The core business area of the Group lies in the supply of power with regenerative production facilities at various locations and the coal-fired power plant in Ensdorf, which plays a major role in supplying the “Fernwärmeschiene Saar” (district heating network). VSE supplies electricity in Saarland for municipal and local utility companies and major industrial clients. In order to ensure the availability of electric power, VSE Verteilnetz GmbH operates an extensive high-voltage grid in Saarland.

What started out as a small undertaking in Saarland a century ago has now established itself as a strong VSE Group beyond the regional borders. This strength comes from pooling its expertise with partner companies from the region: for electricity, gas and water in “energis” for telecommunications in “artelis”, for energy and technical services in “FAMIS” as well as energy and meter services in „VOLTARIS”.

Boosting the economy of Saarland

The VSE Group is an important driving force behind the economy of Saarland. Not only regarding the reliable supply of electric power, gas and water but also by awarding contracts to the local economy worth millions of euros.

VSE AG
Heinrich-Böcking-Straße 10-14, D-66121 Saarbrücken
Phone: +49 (0)681 607-0
Fax: +49 (0)681 607-1435
Mail: info@vse.de
www.vse.de

Year founded
1912

Number of employees
approx. 1,600

Board of Management
Dr. Hanno Dornseifer
Tim Hartmann

Contact
Marie-Elisabeth Denzer (Head of Corporate Communications)

Target groups/sectors
Power supply industry
With its slogan “We make the steel” Dillinger Hütte and its employees express a mission statement for their profession, which is based on many years of sound expertise and constantly driven forward by the courage to blaze new trails in pursuit of progress.

Today Dillinger Hütte is the global benchmark for heavy plates. With its steels Dillinger Hütte contributes to extraordinary and technically sophisticated projects all over the globe, among others in steel construction, engineering, offshore, line pipes, and pressure vessels.

The versatility of these plates is demonstrated through their use in a wide range of applications for an equally wide range of locations e.g. the Viaduc de Millau in the south of France, the new national stadium in Warsaw, the Grand Stade Lille, the Mecca Royal Clock Tower or the Nord Stream Pipeline through the Baltic Sea. Last but not least, Dillinger Hütte’s heavy plates are used for the extension of renewable energies, for instance for “Walney” – currently the biggest offshore wind farm in the world.

With its company philosophy of achieving top performance in steel together with its customers, Dillinger Hütte is constantly increasing the pace of innovation and investment in order to satisfy demands of high quality and service.

Products

- Production of heavy plates up to 410 mm thick, 5.2 m wide, 28 m long and with a weight of 36 tons

AG der Dillinger Hüttenwerke
Werkstraße 1, D-66763 Dillingen
Phone: +49 (0)6831 47-0
Fax: +49 (0)6831 47-2212
Mail: info@dillinger.biz
www.dillinger.de

Year founded
1685

Number of employees
7,854 (Dillinger Hütte Group)

Board of Management
Dr. Kartheinz Blessing (CEO)
Dr. Norbert Bannenberg
Dr. Günter Luxenburger
Fred Metzken
Peter Schweda

Contact
Ute Engel (Head of Communications)
Saarstahl AG, with its locations in Völklingen, Burbach and Neunkirchen, is one of the most important manufacturers of long products in the world. The company is recognised as having a high degree of expertise in the field of steel production and further processing. Saarstahl is a company with tradition, which is conscious of its history and which is constantly focused on the future.

**Overview of products**

Saarstahl AG specialises in the production of wire rod, steel bars and semi-finished products of various grades. The product range also includes open die forgings. These products are important preliminary products, both today and for the future, for the automotive industry and its suppliers, the construction industry, power industry, engineering, the aerospace industry, general mechanical engineering and other steel processing sectors. For example, Saarstahl can be found in every fifth tyre rolling on European roads.

**Worldwide**

The Saarstahl subsidiaries in Germany, France and Slovakia are leading companies in their product fields. The sales organisations which operate worldwide can be found in Germany (Völklingen and Düsseldorf) as well as in France, Great Britain, Belgium, Italy, Switzerland, USA, China, India, Hongkong and Malaysia.

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**Year founded**
1881

**Number of employees**
approx. 7,000 (Saarstahl Group)

**Board of Management**
Dr. Karlheinz Blessing (CEO)
Martin Baues
Fred Metzken
Dr. Peter Schäfer
Peter Schweda

**Contact**
Ute Engel
(Head of Corporate Communications)

**Saarstahl AG**
Bismarckstraße 57-59, D-66333 Völklingen
Phone: +49 (0)6898 10-0
Fax: +49 (0)6898 10-4001
Mail: saarstahl@saarstahl.com
www.saarstahl.com
Bartz-Werke GmbH

In its two areas of production, Bartz-Werke GmbH in Dillingen manufactures high-quality cast iron parts for general mechanical engineering applications and thin-walled tubes for the automotive industry.

The company also owns two state-of-the-art foundries in which cast parts are produced in grey cast iron (EN-GJL) and spheroidal cast iron (EN-GJS).

At the plant in Dillingen, production is carried out using a fully-automatic HWS moulding box system (box dimensions 1,100 x 1,050 x 590 mm) for the manufacture of medium-sized series. The unit weights of the cast parts range between 1 and 200 kg.

At the plant in Dresden, cast components with a unit weight between 100 to 3,000 kg are manufactured in a mechanised hand-moulding foundry.

The products are purchased by clients in the field of general mechanical engineering, drive engineering (electric motors, transmissions, etc.) and road construction.

The range of products manufactured at the company’s two foundries is supplemented by the trading division CASTrade with import warehouses and an office in Bamberg.

Over the past few years, Bartz-Werke has also succeeded in further developing the field of tube technology. At the present time, over 3 million welded, thin-walled tubes of larger diameters are manufactured on two fully-automatic laser production lines. The tubes are delivered to systems suppliers to the automotive industry and are used in both passenger and heavy goods vehicles, specifically as catalytic converters, diesel particle filters, exhaust silencers or exhaust covers.

The company, which is affiliated with Dr. Arnold Schäfer GmbH, operates worldwide.

**Bartz-Werke GmbH**
Franz-Meguin-Straße 14-16, D-66763 Dillingen
Phone: +49 (0)6831 7008-0
Fax: +49 (0)6831 7008-19
Mail: info@bartz-werke.de
www.bartz-werke.de

**Year founded**
1897

**Number of employees**
200

**Director**
Dipl.-Ing. Martin Hoffmann

**Contact**
Marc Spörl

**Certification**
DIN EN ISO 9001-2008, railway authorities licence, Pressure equipment directive AD 2000, data sheet W0

**Target groups/sectors**
Foundry: general mechanical engineering; Tube technology; Supplier to the automotive industry
Dillinger Fabrik gelochter Bleche GmbH

The DF Group, with its parent company Dillinger Fabrik gelochter Bleche GmbH (short DF) is one of the leading manufacturers in Europe and has more than 100 years’ experience in the field of the manufacturing and processing of perforated plates and sheets. Employing more than 360 people at 6 production sites in Europe, the DF Group with its high vertical range of manufacture is able to offer a wide spectrum of products and services. DF’s state-of-the-art equipment, in particular in the field of further processing, enables the company to meet almost any customer requirement, even in the case of complex tasks. The comprehensive product range extends from perforated thin plates to plates with a thickness of 30 mm, from screening plates and ready-to-install recycling drums with a diameter of up to 3 m and 15 m in length to high-class architectural projects.

Perforated sheets are used in an extensive variety of materials, perforation types and functions and are parts of a further processing or finishing process. As a foundation member of the new RAL quality control association, Dillinger Fabrik guarantees a high product quality which exceeds by far the quality level of the DIN 24041 standard.

DF’s customer base includes companies from all industrial sectors such as the mining and steel industries, building material and ceramics industry, mechanical and plant engineering, automotive, electrical and chemical industries and many more. In particular, the architectural sector has increasingly gained in importance in the last few years.

According to the individual customer’s requirements, all kinds of logistics systems and solutions are applied, from individual deliveries via Kanban to Just-in-Time or Just-in-Sequence supplies.

Products and services

- Perforated plates and sheets for all applications
- Further processing
- Complex components, casings and housings made of perforated metal
- Perforated filter tubes and supports for filter elements
- Screening drums
- Pressed, drawn components and stamped parts of all sorts

Year founded
1895

Number of employees
360 in the DF Group

CEO
Dipl.-Ing., Dipl.-Kfm. Hans Ulrich Koch

Contact
Dipl.-Kfm. Frank Regitz,
Director of Dillinger Fabrik Vertriebs GmbH

Certification
DIN EN ISO 9001

Target groups/sectors
All industrial sectors (automotive, electronic, recycling, architecture...)

Dillinger Fabrik gelochter Bleche GmbH
Franz-Meguin-Straße 20, D-66763 Dillingen
Phone: +49 (0)6831 7003-0
Fax: +49 (0)6831 704076
Mail: info@dfgb.de
www.dfgb.de
Innovation

- CNC fine jet plasma cutting system
- Sheet metal unrolling software with 3D simulation, more than 100 different unrolled forms of sheet metal
- Machining of high-grade steels and special materials

Products/Services

- Pipes, ducts and formed parts from sheet metal
- Steel chimneys in accordance with DIN 4133
- Tank/container construction, pressurised containers, unpressurised containers and collecting basins
- Apparatus engineering, filter casings, cyclone separators, fluidised bed drainers, combustion chambers
- Heat exchangers
- Steel construction
- Engineering
- Industrial installation, maintenance, repair service

Year founded
1940

Number of employees
55

Directors
Dipl.-Ing., Dipl.-Betriebswirt (engineering and business administration graduates) Manfred Herges and Wolfgang Herges

Contacts
Manfred Herges
Wolfgang Herges

Certification
Verification of suitability in accordance with DIN 18800-7 class E, licensed in accordance with AD 2000 HP 0 and DIN EN ISO 3834-2 to manufacture pressure equipment (module A1) pursuant to PED 97/23/EC*, specialist company in accordance with § 19 WHG**

Target groups/sectors
Plant engineering, power plants, foundries
KOCH H&K Industrieanlagen GmbH can look back at over 60 years of experience in rolling mill technology. The company originated from Koch Transporttechnik GmbH which was founded in 1945. In 1994, some key divisions of Hoestemberghe & Klütsch GmbH were incorporated into the KOCH Transporttechnik Group, thereby resulting in the transfer of the entire technical know-how, all patents, utility patents, word marks as well as the name. KOCH set up its own business field of rolling mill technology and the international activities were further developed after the take-over by the FLSmidth Group in 2007. In 2010, KOCH WalzwerkeTechnik was transferred into the independent H&K Industrieanlagen GmbH, now KOCH H&K Industrieanlagen GmbH.

Dillingen/Saar is an ideal location in the heart of Europe, just a few kilometres away from France and Luxembourg as well as Saarbrücken, the capital of Saarland. Optimal connections to the cross-border transport routes make the company ideally positioned to pursue international activities. In order to satisfy the demands of its global customers from the field of rolling mill technology (blooming and slabbing mills, rolling mills for long products and special profiles), the company develops its products in accordance with the latest technical standards and continually meets new challenges in rolling mill technology with motivation and drive.

The services of KOCH H&K Industrieanlagen GmbH include the project scheduling and realisation of turnkey plants, single machines as well as the implementation of automation and visualisation systems.
NEUE HALBERG-GUSS GmbH

NEUE HALBERG-GUSS GmbH is a company of H.T.P. Automotive GmbH.

The position of NEUE HALBERG-GUSS GmbH as one of the European market leaders for technology regarding the development and production of engine blocks and cylinder heads for trucks – in cast iron as well as for cast crankshafts – is based on decades of experience, expertise, innovative spirit and the commitment to continually defining new state-of-the-art parameters.

This commitment is reflected by our complete product range – from our intricate three-cylinder block for cars through to high-volume V8 aggregates for trucks and aluminium bedplates.

**Innovation, quality and perfection can be found in many respects within each of our products.**

The close cooperation with our customers on the development of economical, low-cost and efficient drive units and further cast components set new standards for innovation, quality and performance, and are a major factor for the leading position held by NEUE HALBERG-GUSS GmbH amongst European automotive suppliers.
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